

**Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, DC 20554**

In the Matter of)	
)	
Transforming the 2.5 GHz Band)	WT Docket No. 18-120
)	

**REPLY COMMENTS OF
THE WIRELESS COMMUNICATIONS ASSOCIATION INTERNATIONAL**

Mary N. O'Connor
Paul J. Sinderbrand
Erin M. Griffith

Wilkinson Barker Knauer, LLP
1800 M Street, NW, Suite 800N
Washington, DC 20036

Counsel for the Wireless Communications
Association International

September 7, 2018

SUMMARY

The record clearly demonstrates that the highest and best use of the 2.5 GHz band today is for the provision of commercial broadband services. While the Commission should take no action in this proceeding that would preclude existing Educational Broadband Service (“EBS”) licensees from continuing to use EBS as they are doing today, the Commission must acknowledge the marketplace changes that have occurred since EBS was created more than fifty years ago and adjust the regulatory regime accordingly. Today, educational entities simply do not need their own dedicated spectrum in the 2.5 GHz band to ensure that their educational content reaches its desired audience. When it comes to deploying spectrum to close the digital divide and end the homework gap, commercial operators are better positioned than educators to deploy broadband networks in rural areas. And those networks will meet not just educational needs, but also provide all of the consumer and business benefits that come from extending broadband to unserved and underserved areas.

The fastest way to close the digital divide is to rationalize existing EBS Geographic Service Areas (“GSAs”) to the county boundary, open eligibility in the band to commercial licensees, and auction remaining EBS white spaces thereafter. The rationalization of legacy point/radius GSAs to the county boundary serves the public interest by creating efficiencies for both commercial and educational services. A census tract rationalization with a minimum overlap requirement that some advocate would not solve the existing problems associated with point/radius GSAs and would leave EBS with small slivers of unserviceable spectrum. Although the Commission should not upset existing licensees or leasing arrangements, it is well past time to move beyond the outdated command and control licensing in the 2.5 GHz band to bring the band into the 21st century going forward. Permitting any entity qualified to hold a Commission license to obtain spectrum in the band will promote competition, drive buildout, and yield the most intensive use of spectrum for the lowest cost. And, doing so in conjunction with the variety of mechanisms being employed by the Commission more generally to close the digital divide and support schools and libraries, will maximize the benefits that come from expanded use of EBS in broadband networks.

Consistent with the record, the Commission should take the following steps:

- Rationalize the existing GSAs of incumbent EBS licensees by expanding each GSA to the county boundary of any county the existing GSA overlaps;
- Eliminate the provisions of Section 27.1201 of the Rules that restrict eligibility to hold an EBS license to educational entities and eliminate the provisions of Section 27.1214 of the Rules that require EBS leases to meet certain requirements not imposed on leases in other services;
- Auction the remaining vacant EBS spectrum by county in three license blocks after the rationalization of the incumbent GSAs to the county boundary is complete; and
- Apply to the newly-issued EBS licenses the construction buildout requirement based on the current BRS requirement in §27.14(o) for stations licensed after November 6, 2009.

TABLE OF CONTENTS

I.	INTRODUCTION.	1
II.	THE COMMISSION SHOULD RATIONALIZE LEGACY EBS LICENSE AREAS BY EXPANDING THEM TO THE NEAREST COUNTY BOUNDARIES.	2
A.	The Record Supports Expanding EBS GSAs To Standardized Geographic Boundaries.	2
B.	Rationalization To County Boundaries Best Serves The Public Interest By Conforming EBS Service Areas To Both Educational And Commercial Needs. ..	5
C.	Limiting Rationalization To Situations Where There Is Significant Overlap Will Obviate The Benefits Of Rationalization.....	12
D.	Rationalization To County Boundaries Leaves Ample Opportunity For New Entry.....	14
III.	OPEN ELIGIBILITY WILL BETTER CLOSE THE DIGITAL DIVIDE AND RESULTING HOMEWORK GAP THAN COMMAND AND CONTROL SET-ASIDES FOR EDUCATORS.....	15
A.	Open Eligibility and Flexibility Will Lead to Intensive Use of the 2.5 GHz Band and Support Rural Broadband.....	15
B.	Subsidies Supporting Broadband Can Assist In Supporting Access in Underserved Markets.	18
IV.	AUCTIONING REMAINING EBS WHITE SPACE AFTER RATIONALIZING TO COUNTY BORDERS IS THE MOST EFFICIENT WAY TO HELP ADDRESS THE DIGITAL DIVIDE.....	20
A.	WCA’s Proposal for Auctioning Three New EBS Licenses per Market Area will Facilitate New Entrants into the Band.	21
B.	Concerns Regarding Broadcast Auxiliary Service and the Potential for Interference are Vastly Overstated and should be Rejected.	25
C.	Existing Performance Requirements for New Licenses Will Promote Buildout and Create a Consistent Regulatory Structure.	26
V.	CONCLUSION.....	28

**Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, DC 20554**

In the Matter of)	WT Docket No. 18-120
)	
Transforming the 2.5 GHz Band)	
)	

**REPLY COMMENTS OF
THE WIRELESS COMMUNICATIONS ASSOCIATION INTERNATIONAL**

The Wireless Communications Association International (“WCA”), by its attorneys and pursuant to Sections 1.415 and 1.419 of the Commission’s Rules, submits these reply comments in response to the *Notice of Proposed Rulemaking* in this proceeding (“*Notice*”).¹

I. INTRODUCTION.

One of the most important challenges facing the United States today is the digital divide which, among other things, has resulted in the well documented homework gap among rural and economically disadvantaged students. If policymakers are serious about closing the divide, clinging to an outdated regulatory regime that inhibits the deployment of valuable spectrum for its highest and best use is not the right approach. The record confirms that the deployment of commercial broadband using the 2.5 GHz band in rural America is being frustrated by two things: (1) the Commission’s failure to license the EBS white space for decades; and (2) an obsolete regulatory regime that imposes on the commercial operator who leases EBS spectrum significant financial and operational costs. It is time to remove the administratively enshrined middle-man from EBS and adopt rules that encourage the provision of broadband networks in the areas that need them most.

¹ *Transforming the 2.5 GHz Band*, Notice of Proposed Rulemaking, FCC 18-59 (rel. May 10, 2018) (“*Notice*”).

To achieve this outcome, the Commission should:

- Rationalize incumbent Geographic Service Areas (“GSAs”) to the county boundary so as to best support both educational and commercial needs and minimize unserved and unserviceable slivers;
- Open eligibility for new EBS licenses to any entity eligible to hold a Commission license, and provide new and existing EBS licensees with the flexibility to decide whether or not to assign their spectrum to any entity eligible to hold a Commission license;
- Auction the remaining vacant EBS spectrum by county after the rationalization of the incumbent GSAs to the county boundary is complete in three license blocks 2502-2572 MHz, 2572-2602, and 2673.5-2690 MHz to facilitate new entrants into the band; and
- Apply the current buildout requirements set forth in Section 27.14(o) of the Commission’s Rules to new EBS licenses.

II. THE COMMISSION SHOULD RATIONALIZE LEGACY EBS LICENSE AREAS BY EXPANDING THEM TO THE NEAREST COUNTY BOUNDARIES.

A. The Record Supports Expanding EBS GSAs To Standardized Geographic Boundaries.

The record in response to the *Notice* provides overwhelming support for the Commission’s finding that licensing the EBS spectrum based on regular geographic areas “can promote broadband deployment, ensure the spectrum is put to its most beneficial use, allow licensees to respond to consumer demand for new services, and maximize the probability of success for new services.”² Indeed, that has certainly proven to be the case with respect to the Broadband Radio Service (“BRS”), which is largely licensed by standardized Basic Trading Areas (“BTAs”) and which has been aggressively employed, most recently for 4G and soon for 5G services.³

² *Notice* ¶10 (citation omitted).

³ While most of the legacy BRS licenses issued before 1996, which have point/radius GSAs, have been acquired by the holder of the overlapping BTA authorization and then cancelled, the

Not surprisingly, there is widespread support for the proposition that, before any further licensing takes place in the band, the GSA of legacy EBS licenses should be rationalized to be coterminous with standard geographic areas.⁴ As WCA noted in its initial comments, rationalization of the existing EBS GSAs will “make them consistent with established geographic boundaries used in other services and . . . provide greater consumer clarity regarding service availability.”⁵ Others have noted a range of additional benefits that will be realized from

few remaining legacy circular GSA licenses are almost invariably leased to the same entity that holds or leases the BTA authorization, and thus the underlying flaws of the point/radius GSA definition do not adversely impact BRS deployment.

⁴ See, e.g., Comments of America’s Public Television Stations and Corporation for Public Broadcasting, WT Docket No. 18-120, at 5-6 (filed Aug. 8, 2018); Comments of Competitive Carriers Association, WT Docket No. 18-120, at 2-3 (filed Aug. 8, 2018) (“CCA Comments”); Comments of Consortium for School Networking, WT Docket No. 18-120, at 4 (filed Aug. 8, 2018) (“CoSN Comments”); Comments of Hispanic Information and Telecommunications Network, Inc., WT Docket No. 18-120, at 4-5 (filed Aug. 8, 2018) (“HITN Comments”); Comments of Gallatin Wireless Internet, LLC, WT Docket No. 18-120, at 3-4 (filed Aug. 8, 2018) (“Gallatin Comments”); Comments of Midcontinent Communications, WT Docket No. 18-120, at 6 (filed Aug. 8, 2018) (“Midco Comments”) (“[r]ationalizing incumbent licenses is warranted as technology has changed dramatically since the Commission announced the initial 2.5 GHz licensing rules.”); Joint Comments of National EBS Association and Catholic Technology Network, WT Docket No. 18-120, at 8 (filed Aug. 8, 2018) (“NEBSA/CTN Comments”); Comments of NTCA – the Rural Broadband Association, WT Docket No. 18-120, at 2-3 (filed Aug. 8, 2018) (“NTCA Comments”); Comments of R Street Institute, WT Docket No. 80-120, at 4 (filed July 30, 2018) (“R Street Comments”); Comments of Educators and Broadband Providers for American Rural Communities, WT Docket No. 18-120, at 7 (filed Aug. 7, 2018) (“EBPARC Comments”); Joint Comments of School Board of Miami-Dade County, Florida et al., WT Docket No. 18-120, at 9-10 (filed Aug. 8, 2018) (“South Florida Comments”); Comments of Sprint Corporation, WT Docket No. 18-120, at 4-5 (filed Aug. 8, 2018) (“Sprint Comments”); Comments of Voqal, WT Docket No. 18-120, at 17-18 (filed Aug. 8, 2018) (“Voqal Comments”); Comments of the Wireless Internet Service Providers Association, WT Docket No. 18-120, at 8 (filed Aug. 8, 2018) (“WISPA Comments”).

⁵ Comments of the Wireless Communications Association International, WT Docket No. 18-120, at 10 (filed Aug. 8, 2018) (“WCA Comments”).

GSA rationalization, including expediting the deployment of 5G and other broadband services and simplifying future EBS licensing.⁶

Indeed, the only significant opposition to expanding legacy GSAs to conform to standardized geographic boundaries comes from AASA, The School Superintendents Association (“AASA”). Yet, AASA does not explain why with respect to EBS the Commission should forego the recognized benefits of licensing by standardized geographic area. And, ironically, AASA’s own comments illustrate one of the most significant benefits of rationalization to standard geographic areas – simplifying the identification of the EBS white space that will be available in the future. AASA complains mightily that the Universal Licensing System (“ULS”) does not allow it to generate a map that accurately shows where there is EBS white space.⁷ AASA is correct – the ULS mapping function is often erratic when it comes to EBS.⁸ What AASA fails to appreciate, however, is that the problems with ULS are directly

⁶ See, e.g., Voqal Comments at 18-19; HITN Comments at 4-5; Gallatin Comments at 3; Midco Comments at 7-8 (quoting prior Commission finding that use of regular geographic areas “can promote broadband deployment, ensure the spectrum is put to its most beneficial use, allow licensees to respond to consumer demand for new services and maximize the probability of success for new services.”); CCA Comments at 2-3 (“Expanding to county lines also will provide certainty to existing licensees and potential new entrants and prevent any unnecessary delay in the auction of remaining licenses.”) (citation omitted); Sprint Comments at 7 (noting that the inevitable complexities associated with “splitting the football” will be minimized by use of counties for rationalization, and will approach the unworkable if census tracts are the basis for GSA expansion).

⁷ Comments of AASA, The School Superintendents Association and the Association of Educational Service Agencies, WT Docket No. 18-120, at 7 (filed Aug. 8, 2018).

⁸ That is not to say that WCA agrees with AASA that future action in this proceeding should be predicated on Commission development and release of a comprehensive white space map. While the mapping function of ULS does not work well, with a ULS download of EBS license information and knowledge of how the Commission has addressed “splitting the football” when 35 mile radius circles overlap, one can readily determine where EBS licenses exist and, by simple subtraction, where EBS white space exists. The proof is in Attachment A.

related to the fact that it was not designed for point-radius GSAs, that its mapping for such GSAs is a kluge (added on when the 2.5 GHz band moved from the Media Bureau to the Wireless Bureau), and that the best possible solution to the problem is to transition the 2.5 GHz band to the very sorts of standard geographic service areas that ULS was designed to accommodate.

Indeed, even today, ULS identifies in each EBS call sign record every county that is overlapped in whole or in part by a given EBS license. While this information cannot be reflected in the ULS mapping function, it is in ULS. Thus, if the Commission adopts WCA's proposal for rationalizing legacy GSAs to county boundaries (discussed below), it will be easy to identify in advance of a future auction whether a given channel block in a given county is available.⁹ To facilitate an understanding of what would, and what would not, be available under WCA's proposals, WCA has prepared a comprehensive chart based on the information available in ULS that identifies the 3,149 separate EBS licenses, covering over 3.4 billion MHz/pops, that would be available upon adoption of WCA's licensing proposals. That chart is submitted as Attachment A and discussed further below.

B. Rationalization To County Boundaries Best Serves The Public Interest By Conforming EBS Service Areas To Both Educational And Commercial Needs.

While there is little debate that rationalization is in order, there is less unanimity as to which standard geographic service area metric is appropriate for the band and how it should be applied. Predictably, those who today lack 2.5 GHz band licenses tend to argue in favor of the

⁹ Because counties are frequently overlapped by two or more EBS licensees today, ULS likely will continue to do a poor job of illustrating the specific GSA of any given EBS licensee. But for purposes of future licensing, that is of no moment – if the Commission adopts WCA's approach, whenever a county is shown in ULS as partially licensed to one EBS licensee, it will be clear that the other portion of the county is also licensed, and thus the county is unavailable for future licensing on the channel at issue.

smallest possible rationalization – to census tract boundaries and even then only if there is already substantial overlap of the tract. Their argument simply boils down to this – the less the Commission expands existing GSAs, the more there will be for others. While opportunities for newcomers certainly should be a factor in the Commission’s calculus, those arguing for limited GSA expansion pay no heed to the other factors at play here; factors that are at least, if not more, important to achieving the Commission’s stated goals of “reduc[ing] unnecessary regulatory burdens on licensees, promot[ing] greater spectrum efficiency, and facilitate[ing] the full use of EBS spectrum to provide advanced mobile broadband services, particularly in rural areas where this spectrum sits idle today.”¹⁰ Indeed, as NEBSA and CTN – for decades the two leading voices on EBS for the educational community – submit, “[t]he details of the rationalization process should be driven by the Commission’s desire to transition to appropriate licensing boundaries conforming to ULS capabilities and the network operational needs of Sprint and other wireless carriers whose networks utilize the 2.5 GHz band.”¹¹ Commercial broadband is both the present and the future of this band, and the technical and operational requirements of commercial broadband service providers must be paramount if the spectrum is to be put to its highest and best use.¹²

¹⁰ Notice ¶ 9.

¹¹ NEBSA/CTN Comments at 9. *See also* Voqal Comments at 18 (“county boundary expansion will expedite 5G deployment[.]”)

¹² Although WCA is focusing on the benefits of county expansion for commercial operators, it is worth noting briefly that there is substantial support for rationalizing to county boundaries within the educational community. As one educator succinctly puts it, county boundaries “align better with school district service areas.” Comments of the Imperial County Office of Education/California K-12 High Speed Network, WT Docket No. 18-120, at 20 (filed Aug. 7, 2018) (“K12HSN Comments”). *See also, e.g.*, Comments of Northern Michigan University Foundation, WT Docket No. 18-120, at 7 (filed Aug. 8, 2018) (“NMU Comments”); Comments of America’s Public Television Stations and Corporation for Public Broadcasting, WT Docket

Rationalizing existing EBS licenses to county boundaries would be consistent with the record evidence that counties are the optimum size for spurring commercial deployment at the 2.5 GHz band.¹³ No one has ever claimed that the current point/ radius GSA is a good fit for commercial broadband in the 2.5 GHz band. To the contrary, it merely is a legacy holdover from the old “wireless cable” days when a system could reliably transmit video programming within a 35 mile radius of its transmitter location. Expansion of existing GSAs to county boundaries is clearly the approach that is most likely to rapidly introduce commercial broadband services to those who reside in the unserviceable portion of counties that are only partially served by the commercial industry. This is so for several reasons.

Importantly, by adopting this approach, the Commission will maximize the number of unserved rural homes that quickly gain access to wireless broadband. Most existing EBS excess capacity leases between commercial service providers and EBS licensees provide for the

No. 18-120, at 6 (filed Aug. 8, 2018); HITN Comments at 4-5. *See also* Comments of Bridge the Divide Foundation, Inc. and Rocky Mountain Broadband, LLC, WT Docket No. 18-120, at 4 (filed Aug. 8, 2018) (“BTD/RMB Comments”) (“For a school system or other educational institution with multiple facilities spread within a county across several census tracts, a county-wide license is essential. It would be difficult, if not impossible, for an educational institution to obtain appropriations funding for a system to cover only some but not all of its schools; similarly, it would be difficult if not impossible for such an institution to attract a commercial lessee for such a small area.”).

Admittedly, not all education is structured along county lines. *See* Comments of Utah Educational and Telehealth Network, WT Docket No. 18-120, at 3 (filed Aug. 7, 2018) (noting that in Utah, rural school districts are based on county boundaries, but that urban school districts are not county-based). What this filer ignores, however, is that the EBS white space in Utah and elsewhere is overwhelmingly rural in nature and thus the solution that works best for rural areas will invariably be the best solution, period. *See also* CoSN Comments at 5 (oddly, expressing support for limiting expansion to census tracts, while at the same time acknowledging that “[s]ervice areas must be big enough for school districts to reach all unserved and underserved students.”).

¹³ *See, e.g.*, EBPARC Comments at 6; Voqal Comments at 18-19; NMU Comments at 6; Comments of Viya, WT Docket No. 18-120, at 14 (filed Aug. 8, 2018) (“Viya Comments”); HITN Comments at 5; Sprint Comments at 4.

commercial service provider to have immediate access to any expanded GSA, and thus commercial service providers will be able to expand their service offerings quickly following rationalization. WCA has structured its proposals for future EBS licensing in this proceeding to attack the digital divide and resulting homework gap as quickly as possible. An auction of EBS white space along the lines WCA is advocating in this proceeding could be held far more quickly than the more complex, multi-stage scenarios being advocated by others. By contrast, GSA rationalization to county boundaries provides an opportunity for attacking the digital divide and homework gap without additional licensing delays. As WCA's filings in this docket and WT Docket No. 03-66 make clear, broadband service providers are anxious to expand their service offerings beyond their artificial point/radius GSA boundaries. Simply put, the more the Commission constrains GSA expansion through rationalization, the fewer rural residents will be able to quickly put the digital divide and the homework gap in the rearview mirror.

The irony, of course, is that this delay is unlikely to change who ultimately will be the service provider – it will likely be the nearby commercial broadband operator who ultimately serves EBS white space in any event. As discussed below, where the EBS white space is a small sliver of territory wedged between two point/radius circles, technical and operational considerations strongly suggest that only a neighboring commercial operator will be able to deploy in the sliver. But even putting aside those slivers, the Commission should not lose sight of the fact that larger areas of EBS white space were freely available from the early 1960s to the mid-1990s. This proceeding largely is about those areas that no one wanted, even for free!

Why? Because these areas have limited population and thus presented real economic challenges to deployment.¹⁴ One current system operator commented:

[T]he reality is that if no one is currently authorized to provide service in those areas on a given channel, it is because the area does not have sufficient educational or commercial potential to be independently developed. The entity most likely to be able to provide service in these added areas is an existing adjacent licensee or its lessee which has an existing infrastructure and knowledge of the area involved. No other company or institution is likely to be in position to serve such areas and the attractiveness of such areas for auction purposes will be limited, thus likely leaving the area wholly unserved for the indefinite future.¹⁵

While examples can be found where this may not necessarily be true, the point is well taken and illustrates that limiting expansion of GSAs in the hope of spurring new entry likely will do nothing for unserved and underserved rural residents other than delay the introduction of broadband access.¹⁶

¹⁴ A Washington Post report on the “jaw-dropping emptiness of America” notes that 42 percent of the land area of the United States includes just one percent of the population. Christopher Ingraham, *Look at the jaw-dropping emptiness of America*, WASH. POST (Jan. 20, 2016), https://www.washingtonpost.com/news/wonk/wp/2016/01/20/americas-emptiest-places-42-of-the-land-1-of-the-people/?utm_term=.40f4b020f15b. The map accompanying that article bears a striking resemblance to the map WCA has previously filed in WT Docket No. 03-66 showing the EBS white space and the lack of broadband within the EBS white space. See Letter from Paul J. Sinderbrand, Counsel to WCA, to Marlene H. Dortch, Secretary, FCC, WT Docket No. 03-66 (filed Mar. 30, 2016).

¹⁵ Gallatin Comments at 3.

¹⁶ WCA does not fully agree with HITN’s fear that “where census tracts would be surrounded, or would be hard to serve, no applications might be filed for them during the windows or auctions and they might simply remain as unservable and unlicensed gaps.” HITN Comments at 5. Admittedly, there likely would be some remote census tracts that would attract little attention in a census tract-based auction, depending on how the Commission sets minimum auction bid requirements and performance requirements. But in most cases, it is more likely that (assuming reasonable minimum bid and performance requirements), a neighboring service provider will be prepared to expand. Additional incentives could spur deployment – the Commission could designate the area as an eligible area – through the Universal Service Fund (“USF”) programs such as the Connect America Fund or Mobility Fund where the Commission provides economic incentives to providers that are willing to build in rural or difficult serve areas.

In addition, rationalizing the EBS spectrum along county boundaries, rather than census tract boundaries, maximizes the likelihood that the Commission will be auctioning off the remaining white space in areas of sufficient size and shape that these areas can actually be served by the new licensee consistent with operational and technical considerations, such as avoiding co-channel interference. Again, it must not be forgotten that in many areas of the country, legacy EBS stations tend to be more densely packed in proximity to one another and the white space consists of rather small slivers that fall between point/radius GSAs.¹⁷ The record confirms that merely to expand an existing system out to cover a census tract that is partially within, and partially outside of the existing GSA will prove challenging because of the need to protect the existing network (which was carefully designed to avoid both self-interference and interference with adjacent operators) – the marginal increase in population coverage may not justify the cost of adding new facilities and modifying existing ones.

As the group of EBS licensees operating in South Florida correctly notes, because census tracts are often quite small, expansion merely to census tract boundaries “will create interference and service architecture problems.”¹⁸ NTCA has it right – expansion to county boundaries would not only “yield available licenses that are based on consistent boundaries,” but would

¹⁷ Appendix A to the Voqal Comments provides a good illustration of how the G Group channels are licensed in and around Minneapolis, MN. This is typical of licensing around the larger markets, and illustrates how slivers of unallocated spectrum result from point/radius licensing. A similar example is presented by Figure 6 in the Midco Comments, which establishes that if the Commission expands GSAs merely along census tract boundaries, even in more rural states like North Dakota, South Dakota and Minnesota, single census tracts will be stranded – surrounded by licensed areas and as a practical matter the stranded areas are too small to be serviceable by anyone other than the commercial service provider serving neighboring areas. Midco Comments at 11.

¹⁸ South Florida Comments at 9.

result in licenses that are “also appropriate given the propagation characteristics of this spectrum band, which has higher capacity than the low band spectrum, but greater penetration and distance than some of the other mid-range spectrum bands being considered for licensing.”¹⁹ As one small wireless broadband operator succinctly put it:

A single broadband base station designed to provide fixed service will almost always cover multiple census tracts. Moreover, to create and implement marketing and customer service programs for areas as small as census tracts is infeasible and economically wasteful. Using census tracts instead of counties destroys any potential for economies of scale, and raises costs for users. From an engineering standpoint, having different licensees of a single spectrum block for each census tract would be a nightmare in terms of frequency coordination.²⁰

Moreover, “if expanded only to the nearest census tract, gaps would continue to exist . . . [and] remaining gaps . . . might result in technical difficulties in providing service to such areas and interference concerns with regard to simultaneous operations of different services in adjacent small census tract areas.”²¹ The Competitive Carrier Association summarized it well – “the Commission’s proposal to license 2.5 GHz spectrum based on census tracts would significantly impact auction complexity and substantially increase network infrastructure and deployment

¹⁹ NTCA Comments at 3.

²⁰ BTD/RMB Comments at 4. *See also* South Florida Comments at 9 (“census tracts are often so small that expansions to such boundaries may produce service areas with small jutting areas or irregular borders that will create interference and service architecture problems.”); Sprint Comments at 4-5 (expanding legacy GSAs only to overlapping census tract boundaries “would exacerbate the irregular nature of these licenses, creating additional white space anomalies in dense urban and suburban areas,” while “elevat[ing] interference risk at license boundaries associated with census-tract licensing.”); WISPA Comments at 8 (“[e]xpanding GSAs only to census tract borders will leave smaller, irregularly shaped slivers between GSAs that will be difficult to serve or license without causing interference to adjacent GSAs or requiring inefficient architectures, even assuming there would be available vertical infrastructure in the sliver.”).

²¹ HITN Comments at 4-5.

costs.”²² In contrast, expansion to county boundaries will more likely result in the addition of sufficient new population coverage to justify the costs associated with expansion into more rural areas. The propagation characteristics at 2.5 GHz are such that broadband operators should be able to readily serve the remainder of the county at modest expense without having to sacrifice population coverage to avoid co-channel interference in adjacent license areas.²³

C. Limiting Rationalization To Situations Where There Is Significant Overlap Will Obviate The Benefits Of Rationalization.

Some commenters take the view that unless a legacy GSA significantly overlaps a county (or, for that matter, even a census tract), rationalization should not occur and the GSA boundary should remain as is – overlapping the county (or census tract) in part and leaving only a portion of the county (or census tract) for future licensing. At the extreme, the Commission is urged to “use an 80% threshold based on geography, regardless of whether rationalization is to the census tract or county level,” while others suggest less onerous, but nonetheless problematic, thresholds.²⁴

What these filers uniformly miss, however, is that the Commission, and those seeking to acquire EBS white space, are then left with both a confusing mélange of service area definitions

²² CCA Comments at 3 n.8.

²³ Interestingly, North Carolina Department of Information Technology indicates support for limiting expansion to census tracts, it provides no rationale whatsoever for that support, nor does it address how such an approach appears likely to leave unserviceable slivers within the existing footprint of legacy EBS stations – slivers where 2.5 GHz broadband will be unable to address the homework gap it says it is targeting. *See* Comments of North Carolina Department of Information Technology, WT Docket No. 18-120, at 5 (filed Aug. 8, 2018). Nor does this filer explain why it is that North Carolina allowed EBS licenses that served a significant portion of the state to expire. That action is hard to square with the rhetoric about the state’s plans for EBS. Once again, the Commission will be well-served by focusing on what the EBS community is actually doing, not on what it says in an effort to preserve this legacy regulatory system. *Id.* at 3.

²⁴ Midco Comments at 10. *See also, e.g.,* R Street Comments at 5 (expansion should only occur “if the existing license covers a majority of the relevant census tract.”); WISPA Comments at 9.

and more of the small slivers that cannot practically be serviced except by the neighboring commercial broadband providers. Some GSAs will expand to county boundaries. Other GSAs that overlap multiple counties will extend to the boundary of some counties, but will retain the current point/radius boundary in other counties. And some will retain their existing GSAs completely. This approach will result not only in significant confusion as to what areas are white space (is the county fully available and, if not what portion is available?), but also will yield far more of the small slivers of unserviceable territory. The record makes clear that the public is best served when standardized geographic area licensing is used – these proposals to deny a rationalized GSA absent significant overlap not only perpetuates the problems inherent under the current GSA definition developed for wireless cable, but exacerbate the problem by adding a second, geographic area based approach.²⁵

By contrast, rationalization to country boundaries will simplify identification of the EBS white space available to auction because GSAs for incumbents will be readily identified along a consistent metric (country boundaries). It can be implemented automatically, without the need for filings (and the inevitable contested proceeding) to determine whether a given GSA has met a threshold geographic or population overlap with the county boundaries. As such, it satisfies the objective of the EBS community, which urges “a single, comprehensive automatic rationalization process” in the name of “administrative ease and efficiency.”²⁶

²⁵ For example, WISPA argues persuasively that counties are the best metric for assigning new EBS licenses. *See* WISPA Comments at 18-19. Yet, if its proposal is adopted and GSA expansion denied unless 35 percent of the county (by area, population or both) is covered by the incumbent, then neither the incumbent nor the newcomer will have the benefits WISPA acknowledges will flow from county-based licensing.

²⁶ NEBSA/CTN Comments at 9 n.20.

And, to AASA's point regarding ULS's shortcomings as a mapping tool, rationalization to county boundaries makes it rather simple to identify the post-expansion spectrum available for future licensing. Again, Attachment A to this filing illustrates, on a county-by-county basis, exactly what EBS licensing opportunities would be available should the Commission rationalize to county boundaries and license based on WCA's proposal for three channel blocks – the Lower Band Segment ("LBS"), the Middle Band Segment ("MBS") and the Upper Band Segment ("UBS").²⁷

D. Rationalization To County Boundaries Leaves Ample Opportunity For New Entry.

Contrary to the implications of those opposing expansion of GSAs to county boundaries, such expansion will still leave ample opportunity for new entry.

The number of filing opportunities will, of course, depend on how the Commission groups the existing EBS spectrum for licensing in the future. As noted above, Attachment A to this filing illustrates, on a county-by-county basis, where EBS white space would be available. Assuming that the Commission adopts WCA's proposal to utilize three frequency blocks for purposes of licensing (the LBS, the MBS and the UBS), there will be 3,149 new licenses available for auction, covering over 3.4 billion MHz pops. Indeed, in 869 counties and county equivalents (more than a quarter of the counties and county equivalents in the United States), more than 40 MHz of EBS white space spectrum (the minimum amount necessary for a stand-alone wireless broadband system to be viable) will be available for licensing under WCA's proposal. And, in 598 of those counties and county equivalents, that minimum can be met

²⁷ See WCA Comments at 19. For ease of reference, Attachment A identifies how much spectrum or how many channels would be available in each of the Segments. Upon request of the Commission, WCA is prepared to submit a more granular, but somewhat unwieldy analysis showing the specific channels available in each county.

simply by acquisition of a single LBS channel block license. In short, WCA’s proposal results in significant opportunity for new entry using EBS spectrum.

III. OPEN ELIGIBILITY WILL BETTER CLOSE THE DIGITAL DIVIDE AND RESULTING HOMEWORK GAP THAN COMMAND AND CONTROL SET-ASIDES FOR EDUCATORS.

A. Open Eligibility and Flexibility Will Lead to Intensive Use of the 2.5 GHz Band and Support Rural Broadband.

In order to put the EBS white space to its highest and best use, as WCA stated in its comments, the Commission should both open eligibility for new EBS licenses to any entity eligible to hold a Commission license, and provide new and existing EBS licensees with the flexibility to assign their spectrum license to any entity eligible to hold a Commission license.²⁸ To reiterate one of WCA’s core principles – the record shows that a handful of EBS licensees have ongoing educational projects using the 2.5 GHz band²⁹ and the Commission should do nothing that would either require an existing EBS licensee to alter its current educational offerings or prevent licensees from engaging in similar activities in the future (either in the EBS

²⁸ WCA Comments at 15-16.

²⁹ NMU Comments at 2-5; Voqal Comments at 7; Comments of North American Catholic Educational Programming Foundation, WT Docket 18-120, at 3 (filed Aug. 8, 2018) (“NACEPF Comments”). While the EBS community cites repeatedly to the four or five educators that are actually operating a service, those stories are not the norm: only approximately 5 out of over 1,000 EBS licensees fit that profile. *See* COsN Comments at 8-9; Voqal Comments at 10-12; and Comments of State Educational Technology Directors Association, WT Docket No. 18-120, at 4 (filed Aug. 8, 2018) (“SETDA Comments”). And while many commenters have suggested that they will provide educational services in the future, in many cases such an outcome is not possible because there is no available EBS spectrum in those areas – it is already licensed to EBS eligible entities and is typically leased to commercial providers. For example, Nebraska statewide entities suggest that EBS will provide a statewide solution to the digital divide, but ignore that EBS spectrum is not available statewide. *See e.g.*, Joint Comments of the Nebraska Department of Education et al., WT Docket No. 18-102 (filed Aug. 8, 2018) (“Nebraska Comments”). *See also, e.g.*, K12HSN Comments at 10 (suggesting future service in counties where all EBS spectrum has already been licensed and largely leased to commercial operators).

band, the 3.5 GHz band, the unlicensed bands, or elsewhere). But, these educational projects are few and far between, and should not distract the Commission from the reality that, after more than 50 years, the overwhelming majority of EBS licensees do not engage in such activities.³⁰

Several commenters echoed WCA's premise that it is time to eliminate the EBS middleman and open eligibility to all for the remaining 2.5 GHz white space.³¹ Allowing commercial operators to be licensed to EBS spectrum will result in greater efficiencies due to cost savings and streamlined service. Gallatin Wireless succinctly summarized the opportunity the Commission has before it today – "[allowing open eligibility] would at one stroke rationalize the investment in and development of the 2.5 GHz spectrum by allowing those who have been and will continue to be the drivers of broad usage of the spectrum to actually own it and have a lasting stake in its development."³²

It is hardly surprising that the EBS community has nearly uniformly opposed the Commission's open eligibility proposal – educators want a first shot to secure EBS white space without commercial competition, and understand that arguing for open eligibility undercuts the logic of providing educators with an advance application window.³³ Yet, as Commissioner Carr stated, "[t]hrough this [*Notice*], the Commission begins to step away from central planning and towards letting the market determine the band's highest and best use. It builds on our modern

³⁰ See *Notice*, Statement of Commissioner Michael O'Reilly. See also Midco Comments at 7 ("This data confirms the Commission's finding, and the reality, that 2.5 GHz band use is largely commercial. In recognizing this reality, the Commission should now take appropriate steps for commercial providers to use this spectrum to close the digital divide.").

³¹ See Comments of WISPA at 12; Comments of Thomas M. Lenard, WT Docket 18-120, at 1 (filed June 13, 2018); Gallatin Comments at 5; Viya Comments at 12.

³² Gallatin Comments at 4.

³³ See NEBSA/CTN Comments at 16; NACEPF Comments at 5; HITN Comments at 2.

approach to spectrum policy, which favors flexible use, rather than the FCC dictating eligibility and use cases.”³⁴ It is time to step away!

Provided there is open eligibility, the EBS spectrum will be a critical part of the 5G services offered in the United States. CTIA and others have continued to make the point that the United States is behind the curve in unleashing mid-band spectrum for 5G – and the 2.5 GHz band is an opportunity to help address that gap.³⁵ Sprint has gone on record setting forth the role 2.5 GHz spectrum will play in its 5G services, and several other commercial operators set forth the value of the 2.5 GHz spectrum for a 5G solution.³⁶ Such a solution is less viable if the spectrum remains shackled by the command and control regulatory regime of days gone by. In fact, just two short weeks ago Chairman Pai testified before the Senate Committee on Commerce, Science and Transportation that the Commission is “modernizing” rules to assist in the deployment of 5G services – the EBS spectrum is a prime candidate for such modernization. At the same hearing, Commissioner Rosenworcel reinforced the need for the United States to auction additional spectrum for 5G in order to keep up with the rest of the world in 5G deployment specifically including 2.5 GHz spectrum in that discussion.³⁷ In order to make 2.5

³⁴ Notice, Statement of Commissioner Brendan Carr.

³⁵ See e.g., David Abecassis et al., *Final Report for CTIA - Global Race to 5G-Spectrum and Infrastructure Plans and Priorities* (Apr. 2018), https://api.ctia.org/wp-content/uploads/2018/04/Analysys-Mason-Global-Race-To-5G_2018.pdf.

³⁶ See Mike Dano, *Sprint promises to launch nationwide mobile 5G network in first half of 2019*, FierceWireless (Feb. 2, 2018), <https://www.fiercewireless.com/5g/sprint-promises-to-launch-nationwide-mobile-5g-network-first-half-2019-and-to-raise-unlimited>. See also, Comments of Verizon, WT Docket 18-120, at 3 (filed Aug. 8, 2018) (“Verizon Comments”); Comments of T-Mobile USA, Inc., WT Docket 18-120, at 1-2 (filed Aug. 8, 2018).

³⁷ Jessica Rosenworcel, Commissioner, FCC, Statement before the Committee on Commerce, Science and Transportation United States Senate, Washington, DC, at 2 (Aug. 16, 2018).

GHz EBS white space spectrum an asset in the “race to 5G” there must be open eligibility without any one-off regulations that could put a damper on investment and buildout.

B. Subsidies Supporting Broadband Can Assist In Supporting Access in Underserved Markets.

Whether the Commission opens up the 2.5 GHz EBS licenses to commercial operators does not have to be a “win or lose” proposition for educators. It is a false narrative to suggest that if an educational institution does not come to hold its very own EBS license the students in its community will be denied broadband access. Closing the digital divide and adopting open eligibility in the 2.5 GHz band are not mutually exclusive outcomes. To the contrary, the latter advances the former – commercial operators are better situated to deploying broadband across a rural community than your typical EBS licensee. While Northern Michigan University may have the financial and operational resources to provide broadband, the majority of EBS licensees (including Montessori schools, K-12 school districts, etc.) are far from qualified to successfully deploy broadband services that can close the digital divide by themselves.

Commercial operators, with the support of programs funded by the USF where necessary, are far better positioned to close the digital divide – including the homework gap – than educational institutions that likely lack the money or expertise to develop a broadband network on their license. Indeed, “the Commission should bypass the educational institution as an intermediary in the provision of broadband service. Instead, educational institutions . . . can receive the broadband they seek, and deserve, through the E-rate program.”³⁸

³⁸ Midco Comments at 16.

Indeed, as Chairman Pai has noted, E-Rate can be “a powerful tool to help bridge that divide.”³⁹ E-Rate truly is a success story. In 2013, just four million students had access to broadband in the classroom. With the help of the E-rate program that number increased tenfold by 2017.⁴⁰ A recent report concludes that based on current growth models, the remaining unserved students are on track to receive access to fast broadband in their schools by 2020. WCA appreciates that one drawback of the E-Rate program as it exists today is that it primarily allows schools to achieve connectivity on campus but not in the home. Rather than retain outdated rules for the EBS band, the better solution is for the Commission to consider how it might reform or clarify the E-rate rules to address the homework gap by expanding the opportunities for assisting students secure access to commercial broadband at their homes.⁴¹

Finally, as WCA highlighted in its initial comments, schools are not foreclosed from utilizing other spectrum even if they cannot access a new EBS license. In addition to accessing

³⁹ Letter from Ajit Pai, Chairman, FCC, to Tom Udall, Senator, U.S. Senate (Mar. 22, 2017).

⁴⁰ *2017 State of the States, Fulfilling Our Promise to America’s Students*, at 5, Education SuperHighway (Sept. 2017) https://s3-us-west-1.amazonaws.com/esh-sots-pdfs/education-superhighway_2017_state_of_the_states.pdf.

⁴¹ See Nebraska Comments at 12 (“Nebraska’s plan would depend on the *Network Nebraska* backbone Student logins would either pass via VPN to their school’s filtering service or through a statewide filtering service. In this state alone, tens of thousands of devices potentially go home with students in order that they complete online school work. This solution merely extends the same network they use at schools to their home for the same purpose of digital learning.”); K12HSN Comments at 27 (“The Commission should clarify whether EBS licensees that use their license to extend an eligible school’s E-rate-covered Internet access service to student homes should be obligated to cost allocate, in their requests for E-rate support, traffic that originates off-campus.”); SETDA Comments at 9-10 (“If a school was allowed to repurpose their broadband link after hours, it would also enhance their ability to offer Children’s Internet Protection Act (CIPA) filtered internet to students at home.”); Craig Settles, *New E-Rate Policy Helps School Bridge The ‘Homework Gap’*, Daily Yonder (July 7, 2017), <http://www.daily-yonder.com/new-e-rate-policy-helps-school-bridge-homework-gap/2017/07/07/20188/>. WCA, however, would not support any requirements mandating that new licensees in the 2.5 GHz band be required to participate in E-rate.

commercial networks, educators have access to unlicensed and licensed-lite options such as 5 GHz Wi-Fi and, soon, General Authorized Access in the 3.5 GHz Citizens Broadband Radio Service to meet their educational needs.⁴²

IV. AUCTIONING REMAINING EBS WHITE SPACE AFTER RATIONALIZING TO COUNTY BORDERS IS THE MOST EFFICIENT WAY TO HELP ADDRESS THE DIGITAL DIVIDE.

As described fully above, commercial operators are best positioned to close the digital divide; therefore, WCA reiterates from its comments that opening a priority filing window for new educational licensees is unnecessary to support the provision of educational content and services and will impose unnecessary costs on commercial broadband deployment.⁴³ Below we address auction and service rules that will facilitate deployments by operators.⁴⁴

⁴² *Revision of Part 15 of the Commission's Rules to Permit Unlicensed National Information Infrastructure (U-NII) Devices in the 5 GHz Band*, Frist Report and Order, 29 FCC Rcd 4127 (2014); *Promoting Investment in the 3550-3700 MHz Band*, Notice of Proposed Rulemaking, 32 FCC Rcd 8071 (2017); *Amendment of the Commission's Rules with Regard to Commercial Operations in the 3550-3650 MHz Band*, Report and Order and Second Further Notice of Proposed Rulemaking, 30 FCC Rcd 3959 (2015).

⁴³ WCA Comments at 24.

⁴⁴ WCA reiterates that it does not support opening priority windows for new licenses after the rationalization process. However, to the extent the Commission adopts a priority window for Tribal Nations, WCA supports the Commissions targeted proposals: (1) the window should only be open to rural areas, (2) Tribal Lands should be defined as not part of “an urbanized area or urban cluster area with a population equal to or greater than 25,000,” and (3) only lands that are not used for purely commercial purposes should be eligible. *Notice* ¶¶ 35-36.

In 2017, the Commission concluded that directing enhanced support to Tribal lands in urban areas was “unlikely to materially increase the deployment of facilities in such areas and, therefore, risk[ed] wasting scarce program resources.” *See Bridging the Digital Divide for Low-Income Consumers*, Fourth Report and Order, Order on Reconsideration, Memorandum Opinion and Order, Notice of Proposed Rulemaking, and Notice of Inquiry, 32 FCC Rcd 10475, 10480 ¶ 9 (2017). The Commission concluded that “enhanced Tribal support should be targeted to rural areas where the need is greatest.” *Id.*

Two commenters suggest that the Commission use the definition of “Tribal Lands” in 47 C.F.R. § 73.7000. However, that definition is over inclusive as it contains even land that is near a

A. WCA’s Proposal for Auctioning Three New EBS Licenses per Market Area will Facilitate New Entrants into the Band.

In identifying the spectrum blocks to be made available in an EBS white space auction, the Commission must bear in mind one simple fact – the 2.5 GHz band is already substantially licensed using the band plan adopted in 2004 and reflected in Section 27.5(i)(2) of the rules. That band plan was designed to accommodate Frequency Division Duplex broadband, Time Division Duplex (“TDD”) broadband and point-to-multipoint video distribution, but over the intervening years, TDD broadband has come to predominate. While the band plan is not ideal, and not what one would adopt if confronted with a greenfield situation, equipment manufacturers and system operators have accommodated its eccentricities.

WCA certainly takes issue with the point raised by Midcontinent Communications (“Midco”) advocating for channels to be assigned in multiples of 5 MHz.⁴⁵ Indeed, given that WCA’s members have found that a minimum of contiguous 40 MHz of spectrum is required for an efficient and effective broadband system,⁴⁶ WCA would have advocated for the auctioning of 40 MHz contiguous channels were that a viable alternative. But auctioning based on 5 MHz multiples, whether 40 MHz or other, simply is not viable in all cases given existing licensing

reservation and is only applicable to rules related to applications for radio, television, and FM translators, which are very different services than commercial broadband over 2.5 GHz. Just as with the 2017 proceeding, if the Commission opts to create priority licenses, it must ensure they are targeted to the areas of greatest need – which is where Tribal members reside and do not have access to broadband services. *See also* Comments of the Chickasaw Nation, WT Docket No. 18-120, at 1 n.2 (filed Aug. 8, 2018) (“As a federally recognized American Indian Tribe, the Chickasaw Nation supports limiting participation to federally-recognized American Indian Tribes and Alaska Native Villages located in rural areas.”).

⁴⁵ *See* Midco Comments at 17-18.

⁴⁶ Although carrier aggregation techniques can be used by broadband system operators to provide broadband service over non-contiguous spectrum, contiguous spectrum better allows operators to maximize efficiencies and increase throughput to meet demand.

patterns. For example, the 16.5 MHz of EBS G Block spectrum in the Upper Band Segment (“UBS”) is at the upper end of the 2.5 GHz band, and has BRS spectrum immediately below it (BRS spectrum which, it is worth noting, is already licensed in almost all markets).⁴⁷ Midco does not explain how the Commission could auction the EBS G Block in a 5 MHz multiple without leaving 1.5 MHz of fallow spectrum.

The record reflects support for WCA’s proposal⁴⁸ to auction the five EBS channels in the MBS (A4, B4, C4, D4 and G4) as a single 30 MHz contiguous block running from 2572-2602 MHz).⁴⁹ While Select Spectrum proposes the EBS white space spectrum be auctioned in accordance with the existing groupings (*i.e.*, with three channels in the LBS or the UBS and one 6 MHz channel in the MBS), it ignores the inherent inefficiencies of that approach.⁵⁰ The present grouping is a historical anomaly – it was designed to assure each EBS licensee could broadcast video programming in the post-2004 world by segregating one channel per EBS licensee in a band segment (the MBS) with rules optimized for video operations.⁵¹ Today, however, educational video point-to-multipoint broadcasting is no longer a material use of the 2.5 GHz band, and providing licensees of LBS and UBS spectrum with a MBS channel is no

⁴⁷ Even if one were to include the G4 channel and the K Block channels associated with the G Block (spectrum slices that likely will be of limited utility to a broadband service provider), the net result is only 24.5 MHz of spectrum, a figure not evenly divisible by 5.

⁴⁸ See WCA Comments at 19.

⁴⁹ See WISPA Comments at 20.

⁵⁰ See Comments of Select Spectrum, WT Docket No. 18-120, at 3 (filed Aug. 8, 2018) (“Select Spectrum Comments”). See also Sprint Comments at 11.

⁵¹ See *Amendment of Parts 1, 21, 73, 74 and 101 of the Commission’s Rules to Facilitate the Provision of Fixed and Mobile Broadband Access, Educational and Other Advanced Services in the 2150-2162 and 2500-2690 MHz Bands, et al.*, Report and Order and Further Notice of Proposed Rulemaking, 19 FCC Rcd 14165, 14185 ¶ 44 (2004).

longer imperative. To the contrary, as WCA previously explained, because the MBS channel is not contiguous to those in the LBS or the UBS, it is of limited value to many operators who are attempting to maximize contiguous spectrum. By auctioning the MBS channels as a separate license, the Commission can turn channels that are often vestigial appendages into 30 MHz⁵² of very useful contiguous spectrum.⁵³

Where there is disagreement, however, is over licensing of the LBS, which offers potentially the largest contiguous 2.5 GHz spectrum (2502-2572 MHz) in those areas where none of the LBS channels is licensed. Driven by the experiences of its members providing broadband in the 2.5 GHz band and their conclusion that a minimum of 40 MHz is required to provide a viable service, WCA proposed that the LBS be auctioned as a single license.⁵⁴ With this license and nothing more, an auction winner will be well-positioned to deploy a viable broadband service with sufficient spectrum to meet today's demands, and those of the future. Select Spectrum proposes that even if the Commission auctions the MBS channels as a separate license, the Commission issue a separate license for each of the remaining groupings – A1-3, B1-3, C1-3, D1-3 and G1-3. This would make available 4 separate licenses of just 16.5 MHz each, plus a

⁵² It is worth noting that a 30 MHz channel would satisfy Midco's call for licenses to be issued in a size that is a multiple of 5 MHz. Of course, whether the auction winner for the MBS license would actually have use of all 30 MHz would depend on whether any of the channels within that 30 MHz are already licensed in the market.

⁵³ See WCA Comments at 19-20. Many commenters noted that the importance of the 2.5 GHz band generally derives from it being a wide contiguous swath of sub-3 GHz spectrum. See, e.g., CCA Comments at 1; Voqal Comments at 5; Comments of Charter Communications, Inc., WT Docket No. 18-120, at 2 (filed Aug. 8, 2018); Verizon Comments at 1; NTCA Comments at 1. The Commission should not undermine the benefits of contiguous 2.5 GHz by sentencing licensees to non-contiguous spectrum holdings.

⁵⁴ That license would include current channels A1-A3, B1-B3, C1-C3, D1-D3 and the J Block channels. Again, the result would be 70 MHz of contiguous spectrum (a multiple of 5 MHz), subject to the prior licensing of channels within that spectrum.

non-contiguous 1 MHz in the J Block, in the LBS. Suffice it to say that each of those proposed licenses fall far short of that required to provide a stand-alone broadband service.

WISPA has proposed that the Commission auction the A and B Blocks together and the C and D Blocks together.⁵⁵ While superior to the Select Spectrum proposal, each of these two licenses still would be just 33 MHz wide (presumably with 1 MHz of non-contiguous spectrum in the J Block). Indeed, WISPA itself concedes “to serve a rural area with fixed service, a bidder would need access to 45 megahertz of 2.5 GHz spectrum to justify the costs of acquiring equipment and deploying service.”⁵⁶ Or, put another way, under the WISPA approach the winner of one of its two LBS licenses would have to have other spectrum in the 2.5 GHz band available to it – winning either of these groups in the auction would not alone be sufficient to permit new entry. By contrast, as noted above and demonstrated in Attachment A, under WCA’s proposal in 598 counties and county equivalents, the 40 MHz minimum for broadband can be met simply by acquisition of a single LBS channel block license.

In short view, new entry by small operators will best be promoted by making available one contiguous 70 MHz block of spectrum that, in and of itself, is sufficient to allow a viable service to flourish and that fits within the 5 MHz standardized channelization of broadband equipment without stranding any spectrum. WCA’s proposal does that.

⁵⁵ See WISPA Comments at 20.

⁵⁶ *Id.* at 21. Midco meanwhile asserts that 80 MHz of 2.5 GHz band spectrum is necessary. See Midco Comments at 18.

B. Concerns Regarding Broadcast Auxiliary Service and the Potential for Interference are Vastly Overstated and should be Rejected.

The National Association of Broadcasters submitted comments expressing concern that the *Notice* failed to acknowledge the limited number of broadcast auxiliary service (“BAS”) licenses for 2483.5-2500 MHz, which is otherwise known as BAS Channel A10.⁵⁷ NAB’s concern appears to be focused on the potential for interference from the 2496-2500 MHz band to BAS Channel A10.⁵⁸ However, that particular swath of spectrum is not EBS spectrum. Rather, it is allocated to BRS Channel 1, which spans from 2496-2502 MHz. EBS spectrum starts at 2502 MHz. Importantly, in the *Notice* the Commission has proposed no changes whatsoever to the BRS technical or operational rules that would alter the potential for interference from BRS Channel 1 to BAS. Nor has it proposed any changes in the EBS technical or operational rules that would alter the potential for interference from EBS to BAS.

There is no basis for concern that the rule changes proposed in the *Notice* will have any adverse impact on BAS Channel A10. The Commission has previously addressed the sharing of spectrum between BAS Channel A10 and overlapping BRS Channel 1, and has concluded both that interference is unlikely and that in the unlikely event interference does occur, it is manageable through cooperative arrangements.⁵⁹ To avoid interference, the Commission,

⁵⁷ See Comments of the National Association of Broadcasters, WT Docket No. 18-120, at 2 (filed Aug. 8, 2018) (“NAB Comments”).

⁵⁸ See *id.*

⁵⁹ See, e.g., *Amendment of Parts 1, 21, 73, 74 and 101 of the Commission’s Rules to Facilitate the Provision of Fixed and Mobile Broadband Access, Educational and Other Advanced Services in the 2150-2162 and 2500-2690 MHz Bands, et al.*, Order on Reconsideration and Fifth Memorandum Opinion and Order and Third Memorandum Opinion and Order and Second Report and Order, 21 FCC Rcd 5606, 5630-32 ¶¶ 43-47 (2006) (“03-66 2006 Order”); *Amendment of Parts 1, 21, 73, 74 and 101 of the Commission’s Rules to Facilitate the Provision of Fixed and Mobile Broadband Access, Educational and Other Advanced Services in the 2150-*

among other things, has strongly encouraged BAS licensees to take a variety of steps to avoid interference from BRS Channel 1, including using channels other than BAS Channel A10, deploying multiple receive sites so diversity can overcome interference from BRS, and carefully selecting receive sites to avoid potential BRS interference.⁶⁰

As unlikely as interference from BRS to BAS is, it is far less likely to arise from licensing of the spectrum addressed by the *Notice*. The channel closest to BAS is EBS Channel A1, which is six MHz removed from BRS Channel 1 and two MHz above BAS. Moreover, as NAB correctly observes, BAS “operations are typically in large cities.”⁶¹ EBS is largely licensed in the very areas where BAS operations are, yet to WCA’s knowledge there has never been a documented complaint of interference to BAS from any use of EBS channels (or, for that matter, from BRS Channel 1). Since the EBS white space at issue in this proceeding is largely in rural areas, where BAS use is scarce, there is no basis for believing that any of the actions contemplated by the *Notice* poses a threat of increased interference to BAS Channel A10.

C. Existing Performance Requirements for New Licenses Will Promote Buildout and Create a Consistent Regulatory Structure.

The majority of filers who commented on the buildout requirements proposed by the Commission agreed with WCA that the Commission should maintain the current buildout requirements set forth in Section 27.14(o) of the Commission’s Rules for new licenses.⁶² The

2162 and 2500-2690 MHz Bands, Fifth Report and Order, FCC 14-76, 29 FCC Rcd 6331, 6338-39 ¶¶ 18-20 (2014).

⁶⁰ See *03-66 2006 Order*, 21 FCC Rcd at 5628-29 ¶ 38.

⁶¹ NAB Comments at 2.

⁶² See NEBSA/CTN Comments at 20; Sprint Comments at 12; HITN Comments at 7; Select Spectrum Comments at 6; South Florida Comments at 7.

unencumbered spectrum in the EBS band is primarily in rural areas that no one wanted to apply for even at the time when the Commission was giving away the licenses for free. The EBS white space is not what would be considered “beachfront property” in the spectrum world covering large populations in urban centers, rather, the majority of the spectrum covers rural areas with very small population numbers.⁶³ As the Commission is well aware, low population numbers and vast, rural geographic areas make buildout difficult and expensive for licensees. As many commenters have indicated the buildout requirements proposed for the new licenses are more stringent than the requirements for operations in other bands.⁶⁴ Adopting buildout requirements for rural spectrum that are more stringent than those adopted for the recently auctioned 600 MHz and AWS spectrum in urban areas will have a chilling effect on parties interest in acquiring the spectrum resulting in the spectrum continuing to remain fallow.⁶⁵ Having a consistent regulatory structure for the 2.5 GHz band will provide regulatory certainty for the future licensees and existing licensees.

⁶³ For example, in King County, Texas where there is EBS white space and licenses available, the most recent population number pursuant to the US Census was 296.

⁶⁴ NACEPF Comments at 49.

⁶⁵ Under the Commission’s proposed buildout requirements if the licensee of King County, Texas built out the county and provided coverage to all but 60 people, at the end of the license term, the license would be forfeited. The possibility of such a result will have a negative effect on the desirability of these licenses.

V. CONCLUSION.

WCA looks forward to working with the Commission as it updates the 2.5 GHz band to meet the needs of operators today and to open the spectrum to its highest and best use. In particular, WCA urges the Commission to rationalize existing GSAs to the county boundary, adopt open eligibility for the 2.5 GHz band, and adopt auction and service rules that will promote uniformity and deployments by new entrants.

Respectfully submitted,

THE WIRELESS COMMUNICATIONS
ASSOCIATION INTERNATIONAL

By: /s/ Mary N. O'Connor

Mary N. O'Connor
Paul J. Sinderbrand
Erin M. Griffith

Wilkinson Barker Knauer, LLP
1800 M Street, NW, Suite 800N
Washington, DC 20036
(202) 783-4141

Dated: September 7, 2018

ATTACHMENT A

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Aleutians East Borough	AK	333	70.0	23,309	30.0	9,990	17.5	5,827	117.5	39,126
Aleutians West Census Area	AK	5,372	70.0	376,019	30.0	161,160	17.5	94,005	117.5	631,183
Anchorage Borough	AK	296,198								
Bethel Census Area	AK	1,883	70.0	131,802	30.0	56,490	17.5	32,951	117.5	221,243
Bristol Bay Borough	AK	877	70.0	61,386	30.0	26,310	17.5	15,347	117.5	103,043
Denali Borough	AK	1,985	70.0	138,942	30.0	59,550	17.5	34,736	117.5	233,228
Dillingham Census Area	AK	4,515	70.0	316,032	30.0	135,450	17.5	79,008	117.5	530,490
Fairbanks North Star Borough	AK	12,276	17.5	214,818	6.0	73,656	0.0	0	23.5	288,474
Haines Borough	AK	2,653	70.0	185,699	30.0	79,590	17.5	46,425	117.5	311,714
Hoonah-Angoon Census Area	AK	223	70.0	15,609	30.0	6,690	17.5	3,902	117.5	26,201
Juneau Borough	AK	32,872	70.0	2,300,909	30.0	986,160	17.5	575,227	117.5	3,862,296
Kenai Peninsula Borough	AK	57,553								
Ketchikan Gateway Borough	AK	1,357	70.0	94,985	30.0	40,710	17.5	23,746	117.5	159,441
Kodiak Island Borough	AK	1,412	70.0	98,834	30.0	42,360	17.5	24,709	117.5	165,903
Lake and Peninsula Borough	AK	1,429	70.0	100,024	30.0	42,870	17.5	25,006	117.5	167,900
Matanuska-Susitna Borough	AK	95,555								
Nome Census Area	AK	11,181	70.0	782,625	30.0	335,430	17.5	195,656	117.5	1,313,712
North Slope Borough	AK	846	70.0	59,217	30.0	25,380	17.5	14,804	117.5	99,401
Northwest Arctic Borough	AK	6,845	70.0	479,123	30.0	205,350	17.5	119,781	117.5	804,253
Petersburg	AK	3,763	70.0	263,395	30.0	112,890	17.5	65,849	117.5	442,134
Prince of Wales-Hyder	AK	39	70.0	2,730	30.0	1,170	17.5	682	117.5	4,582
Sitka Borough	AK	95	70.0	6,650	30.0	2,850	17.5	1,662	117.5	11,162
Skagway Municipality	AK	1,238	70.0	86,655	30.0	37,140	17.5	21,664	117.5	145,459
Southeast Fairbanks Census Area	AK	7,257	70.0	507,961	30.0	217,710	17.5	126,990	117.5	852,661
Valdez-Cordova Census Area	AK	932	70.0	65,236	30.0	27,960	17.5	16,309	117.5	109,505
Wade Hampton Census Area	AK	11,668	70.0	816,713	30.0	350,040	17.5	204,178	117.5	1,370,932
Wrangell	AK	2,361	70.0	165,261	30.0	70,830	17.5	41,315	117.5	277,406
Yakutat Borough	AK	443	70.0	31,008	30.0	13,290	17.5	7,752	117.5	52,050
Yukon-Koyukuk Census Area	AK	5,114	17.5	89,490	6.0	30,684	0.0	0	23.5	120,174

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Autauga	AL	555	17.5	9,712	12.0	6,660	17.5	9,712	47.0	26,084
Baldwin	AL	189,257								
Barbour	AL	27,158								
Bibb	AL	22,997								
Blount	AL	57,525								
Bullock	AL	1,843								
Butler	AL	2,819	17.5	49,330	12.0	33,828	17.5	49,330	47.0	132,487
Calhoun	AL	117,734								
Chambers	AL	33,938								
Cherokee	AL	25,928								
Chilton	AL	4,453	17.5	77,923	6.0	26,718	0.0	0	23.5	104,641
Choctaw	AL	13,882								
Clarke	AL	25,739	17.5	450,407	6.0	154,434	0.0	0	23.5	604,841
Clay	AL	13,921								
Cleburne	AL	159								
Coffee	AL	5,741								
Colbert	AL	54,554								
Conecuh	AL	1,385	70.0	96,944	30.0	41,550	17.5	24,236	117.5	162,731
Coosa	AL	195								
Covington	AL	38,115	70.0	2,667,898	30.0	1,143,450	17.5	666,974	117.5	4,478,322
Crenshaw	AL	1,399	17.5	24,481	12.0	16,788	17.5	24,481	47.0	65,750
Cullman	AL	8,945								
Dale	AL	49,622	0.0	0	6.0	297,732	17.5	868,335	23.5	1,166,067
Dallas	AL	43,225	17.5	756,394	6.0	259,350	0.0	0	23.5	1,015,744
DeKalb	AL	7,786								
Elmore	AL	81,523								
Escambia	AL	38,198								
Etowah	AL	14,466								
Fayette	AL	1,725	17.5	30,186	6.0	10,350	0.0	0	23.5	40,536

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Franklin	AL	31,145								
Geneva	AL	26,777								
Greene	AL	927								
Hale	AL	15,356								
Henry	AL	17,445	0.0	0	6.0	104,670	17.5	305,270	23.5	409,940
Houston	AL	1,295								
Jackson	AL	53,456								
Jefferson	AL	655,914								
Lamar	AL	1,454								
Lauderdale	AL	93,474								
Lawrence	AL	34,218								
Lee	AL	1,465								
Limestone	AL	87,589								
Lowndes	AL	11,283	17.5	197,441	12.0	135,396	17.5	197,441	47.0	530,278
Macon	AL	2,934								
Madison	AL	34,442								
Marengo	AL	2,837	17.5	49,645	6.0	17,022	0.0	0	23.5	66,667
Marion	AL	358								
Marshall	AL	93,998								
Mobile	AL	4,153								
Monroe	AL	22,836	52.5	1,198,821	24.0	548,064	17.5	399,607	94.0	2,146,493
Montgomery	AL	231,982	17.5	4,059,453	12.0	2,783,784	17.5	4,059,453	47.0	10,902,690
Morgan	AL	119,727								
Perry	AL	1,499								
Pickens	AL	19,764								
Pike	AL	3,331	17.5	58,289	12.0	39,972	17.5	58,289	47.0	156,550
Randolph	AL	22,945								
Russell	AL	55,943								
Shelby	AL	199,884								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
St. Clair	AL	84,939								
Sumter	AL	13,756								
Talladega	AL	81,641								
Tallapoosa	AL	41,473								
Tuscaloosa	AL	19,956								
Walker	AL	66,734								
Washington	AL	1,757	52.5	92,237	24.0	42,168	17.5	30,746	94.0	165,151
Wilcox	AL	1,162	17.5	20,334	6.0	6,972	0.0	0	23.5	27,306
Winston	AL	24,459								
Arkansas	AR	18,793								
Ashley	AR	2,178	17.5	38,113	12.0	26,136	17.5	38,113	47.0	102,362
Baxter	AR	41,391	70.0	2,897,204	30.0	1,241,730	17.5	724,301	117.5	4,863,236
Benton	AR	229,996								
Boone	AR	37,186	70.0	2,602,871	30.0	1,115,580	17.5	650,718	117.5	4,369,169
Bradley	AR	11,454								
Calhoun	AR	5,149								
Carroll	AR	27,462								
Chicot	AR	11,547								
Clark	AR	2,271								
Clay	AR	15,772								
Cleburne	AR	2,634								
Cleveland	AR	8,695								
Columbia	AR	24,368								
Conway	AR	21,315	0.0	0	6.0	127,890	17.5	372,991	23.5	500,881
Craighead	AR	99,798								
Crawford	AR	62,242								
Crittenden	AR	49,715								
Cross	AR	17,745								
Dallas	AR	826								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Desha	AR	12,923								
Drew	AR	18,666								
Faulkner	AR	118,422								
Franklin	AR	1,838								
Fulton	AR	12,214	70.0	854,931	30.0	366,420	17.5	213,733	117.5	1,435,084
Garland	AR	97,468								
Grant	AR	1,891								
Greene	AR	42,841								
Hempstead	AR	22,696								
Hot Spring	AR	3,356								
Howard	AR	13,811								
Independence	AR	36,644								
Izard	AR	13,548	70.0	948,306	30.0	406,440	17.5	237,076	117.5	1,591,822
Jackson	AR	1,841								
Jefferson	AR	75,866								
Johnson	AR	2,638	70.0	184,649	30.0	79,140	17.5	46,162	117.5	309,952
Lafayette	AR	7,542								
Lawrence	AR	17,161								
Lee	AR	1,324								
Lincoln	AR	1,449								
Little River	AR	1,374								
Logan	AR	22,318								
Lonoke	AR	69,975								
Madison	AR	1,579								
Marion	AR	16,498	70.0	1,154,794	30.0	494,940	17.5	288,699	117.5	1,938,433
Miller	AR	4,398								
Mississippi	AR	45,834								
Monroe	AR	838								
Montgomery	AR	9,485								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Nevada	AR	95								
Newton	AR	8,295	70.0	580,617	30.0	248,850	17.5	145,154	117.5	974,621
Ouachita	AR	25,799								
Perry	AR	1,413								
Phillips	AR	21,281								
Pike	AR	11,291								
Poinsett	AR	24,518								
Polk	AR	2,748	52.5	144,262	18.0	49,464	0.0	0	70.5	193,726
Pope	AR	6,253	0.0	0	6.0	37,518	17.5	109,421	23.5	146,939
Prairie	AR	8,653								
Pulaski	AR	386,525								
Randolph	AR	17,627								
Saline	AR	111,818								
Scott	AR	11,191								
Searcy	AR	884	70.0	61,876	30.0	26,520	17.5	15,469	117.5	103,866
Sebastian	AR	127,227								
Sevier	AR	17,242								
Sharp	AR	17,276	70.0	1,209,251	30.0	518,280	17.5	302,313	117.5	2,029,844
St. Francis	AR	28,714								
Stone	AR	12,695								
Union	AR	41,143								
Van Buren	AR	17,179								
Washington	AR	21,676								
White	AR	7,811								
Woodruff	AR	729								
Yell	AR	21,892								
Eastern	AS	23,391	35.0	818,638	18.0	421,038	17.5	409,319	70.5	1,648,995
Manu'a	AS	1,378	70.0	96,454	30.0	41,340	17.5	24,114	117.5	161,908
Rose Island	AS		70.0		30.0		17.5		117.5	

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Swains Island	AS	37	70.0	2,590	30.0	1,110	17.5	647	117.5	4,347
Western	AS	32,435	35.0	1,135,160	18.0	583,830	17.5	567,580	70.5	2,286,570
Apache	AZ	73,758	70.0	5,162,765	30.0	2,212,740	17.5	1,290,691	117.5	8,666,196
Cochise	AZ	134,567	29.2	3,924,647	6.0	807,402	0.0	0	35.2	4,732,049
Coconino	AZ	138,925								
Gila	AZ	5,321	17.5	93,112	6.0	31,926	0.0	0	23.5	125,038
Graham	AZ	37,826	35.0	1,323,834	12.0	453,912	0.0	0	47.0	1,777,746
Greenlee	AZ	8,963	70.0	627,374	30.0	268,890	17.5	156,844	117.5	1,053,108
La Paz	AZ	2,123								
Maricopa	AZ	392,283								
Mohave	AZ	23,579								
Navajo	AZ	146,977	70.0	10,287,802	30.0	4,409,310	17.5	2,571,951	117.5	17,269,063
Pima	AZ	992,321								
Pinal	AZ	391,682								
Santa Cruz	AZ	47,558	29.2	1,387,029	6.0	285,348	0.0	0	35.2	1,672,377
Yavapai	AZ	21,417								
Yuma	AZ	24,722								
Alameda	CA	1,546,699								
Alpine	CA	1,165								
Amador	CA	382								
Butte	CA	219,831								
Calaveras	CA	46,116								
Colusa	CA	2,165								
Contra Costa	CA	172,451								
Del Norte	CA	28,258	70.0	1,977,947	30.0	847,740	17.5	494,487	117.5	3,320,174
El Dorado	CA	181,451								
Fresno	CA	944,825								
Glenn	CA	28,262								
Humboldt	CA	135,748	52.5	7,126,363	18.0	2,443,464	0.0	0	70.5	9,569,827

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Imperial	CA	17,773								
Inyo	CA	18,594	35.0	650,753	18.0	334,692	17.5	325,376	70.5	1,310,821
Kern	CA	85,966								
Kings	CA	153,453								
Lake	CA	64,637								
Lassen	CA	34,593								
Los Angeles	CA	987,936								
Madera	CA	153,546								
Marin	CA	25,384								
Mariposa	CA	18,278								
Mendocino	CA	8,792								
Merced	CA	26,297								
Modoc	CA	946	70.0	66,216	30.0	28,380	17.5	16,554	117.5	111,150
Mono	CA	14,174	70.0	992,123	30.0	425,220	17.5	248,031	117.5	1,665,374
Monterey	CA	424,177								
Napa	CA	13,878								
Nevada	CA	994								
Orange	CA	37,493								
Placer	CA	361,637								
Plumas	CA	19,743								
Riverside	CA	2,257,411								
Sacramento	CA	143,541								
San Benito	CA	56,455	17.5	987,906	6.0	338,730	0.0	0	23.5	1,326,636
San Bernardino	CA	2,671								
San Diego	CA	3,171,197								
San Francisco	CA	817,778								
San Joaquin	CA	694,491								
San Luis Obispo	CA	272,778								
San Mateo	CA	728,984								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Santa Barbara	CA	426,748								
Santa Clara	CA	182,379								
Santa Cruz	CA	265,878								
Shasta	CA	177,292								
Sierra	CA	2,994								
Siskiyou	CA	4,478								
Solano	CA	414,918								
Sonoma	CA	487,143								
Stanislaus	CA	51,529								
Sutter	CA	9,568								
Tehama	CA	63,391								
Trinity	CA	13,848								
Tulare	CA	4,533								
Tuolumne	CA	54,531								
Ventura	CA	82,886								
Yolo	CA	22,919								
Yuba	CA	7,255								
Adams	CO	45,698								
Alamosa	CO	15,721	35.0	550,204	18.0	282,978	17.5	275,102	70.5	1,108,283
Arapahoe	CO	593,441								
Archuleta	CO	12,463	70.0	872,360	30.0	373,890	17.5	218,090	117.5	1,464,340
Baca	CO	3,771	70.0	263,955	30.0	113,130	17.5	65,989	117.5	443,074
Bent	CO	6,553	52.5	344,013	24.0	157,272	17.5	114,671	94.0	615,956
Boulder	CO	32,299								
Broomfield	CO	58,374								
Chaffee	CO	18,118	52.5	951,141	24.0	434,832	17.5	317,047	94.0	1,703,020
Cheyenne	CO	1,848	70.0	129,353	30.0	55,440	17.5	32,338	117.5	217,131
Clear Creek	CO	9,119								
Conejos	CO	849	35.0	29,713	18.0	15,282	17.5	14,857	70.5	59,852

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Costilla	CO	3,597	35.0	125,888	18.0	64,746	17.5	62,944	70.5	253,578
Crowley	CO	5,784	52.5	303,643	24.0	138,816	17.5	101,214	94.0	543,673
Custer	CO	4,518								
Delta	CO	3,299	35.0	115,458	12.0	39,588	0.0	0	47.0	155,046
Denver	CO	64,148								
Dolores	CO	263	70.0	18,409	30.0	7,890	17.5	4,602	117.5	30,901
Douglas	CO	29,681								
Eagle	CO	52,612	52.5	2,761,972	24.0	1,262,688	17.5	920,657	94.0	4,945,318
El Paso	CO	649,738								
Elbert	CO	2,344								
Fremont	CO	4,737								
Garfield	CO	56,276	17.5	984,774	6.0	337,656	0.0	0	23.5	1,322,430
Gilpin	CO	5,454								
Grand	CO	15,747								
Gunnison	CO	1,527	52.5	80,163	24.0	36,648	17.5	26,721	94.0	143,532
Hinsdale	CO	875	70.0	61,247	30.0	26,250	17.5	15,312	117.5	102,808
Huerfano	CO	6,759								
Jackson	CO	1,361	70.0	95,265	30.0	40,830	17.5	23,816	117.5	159,911
Jefferson	CO	542,548								
Kiowa	CO	1,372	52.5	72,026	24.0	32,928	17.5	24,009	94.0	128,963
Kit Carson	CO	8,378	70.0	586,426	30.0	251,340	17.5	146,607	117.5	984,373
La Plata	CO	51,998	35.0	1,819,826	18.0	935,964	17.5	909,913	70.5	3,665,703
Lake	CO	7,384	52.5	387,638	24.0	177,216	17.5	129,213	94.0	694,066
Larimer	CO	39,892								
Las Animas	CO	1,597								
Lincoln	CO	5,587	70.0	391,068	30.0	167,610	17.5	97,767	117.5	656,445
Logan	CO	2,281	35.0	79,830	18.0	41,058	17.5	39,915	70.5	160,804
Mesa	CO	147,536	17.5	2,581,732	6.0	885,216	0.0	0	23.5	3,466,948
Mineral	CO	736	70.0	51,517	30.0	22,080	17.5	12,879	117.5	86,476

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Moffat	CO	13,336	70.0	933,467	30.0	400,080	17.5	233,367	117.5	1,566,913
Montezuma	CO	25,561	35.0	894,584	18.0	460,098	17.5	447,292	70.5	1,801,974
Montrose	CO	4,987	35.0	174,535	12.0	59,844	0.0	0	47.0	234,379
Morgan	CO	28,343	35.0	991,948	18.0	510,174	17.5	495,974	70.5	1,998,096
Otero	CO	18,691	52.5	981,221	24.0	448,584	17.5	327,074	94.0	1,756,879
Ouray	CO	4,587	70.0	321,072	30.0	137,610	17.5	80,268	117.5	538,950
Park	CO	1,637								
Phillips	CO	4,399	35.0	153,956	18.0	79,182	17.5	76,978	70.5	310,116
Pitkin	CO	16,912	52.5	887,829	24.0	405,888	17.5	295,943	94.0	1,589,660
Prowers	CO	12,557	70.0	878,940	30.0	376,710	17.5	219,735	117.5	1,475,385
Pueblo	CO	16,514								
Rio Blanco	CO	6,833	70.0	478,283	30.0	204,990	17.5	119,571	117.5	802,843
Rio Grande	CO	11,989	35.0	419,591	18.0	215,802	17.5	209,796	70.5	845,189
Routt	CO	2,446	52.5	128,408	24.0	58,704	17.5	42,803	94.0	229,914
Saguache	CO	637	35.0	22,294	18.0	11,466	17.5	11,147	70.5	44,907
San Juan	CO	71	70.0	4,970	30.0	2,130	17.5	1,242	117.5	8,342
San Miguel	CO	755	70.0	52,847	30.0	22,650	17.5	13,212	117.5	88,709
Sedgwick	CO	2,344	35.0	82,035	18.0	42,192	17.5	41,018	70.5	165,245
Summit	CO	29,194								
Teller	CO	23,528								
Washington	CO	4,863	35.0	170,195	18.0	87,534	17.5	85,098	70.5	342,827
Weld	CO	261,862								
Yuma	CO	1,148	35.0	40,178	18.0	20,664	17.5	20,089	70.5	80,931
Fairfield	CT	93,424								
Hartford	CT	89,261								
Litchfield	CT	189,444								
Middlesex	CT	165,497								
New Haven	CT	859,492								
New London	CT	273,257								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Tolland	CT	155,665								
Windham	CT	118,643								
District of Columbia	DC	633,188								
Kent	DE	166,791	0.0	0	6.0	1,000,746	17.5	2,918,676	23.5	3,919,422
New Castle	DE	542,131								
Sussex	DE	21,299	0.0	0	6.0	127,794	17.5	372,711	23.5	500,505
Alachua	FL	25,859								
Baker	FL	27,196								
Bay	FL	169,944								
Bradford	FL	28,379								
Brevard	FL	54,486								
Broward	FL	184,764								
Calhoun	FL	1,474								
Charlotte	FL	163,217								
Citrus	FL	138,782								
Clay	FL	192,124								
Collier	FL	33,262								
Columbia	FL	68,428								
DeSoto	FL	35,276								
Dixie	FL	175								
Duval	FL	874,779								
Escambia	FL	338								
Flagler	FL	97,721								
Franklin	FL	11,624	52.5	610,225	18.0	209,232	0.0	0	70.5	819,457
Gadsden	FL	4,624								
Gilchrist	FL	1,688								
Glades	FL	1,285								
Gulf	FL	15,647								
Hamilton	FL	14,979								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Hardee	FL	28,216								
Hendry	FL	39,172								
Hernando	FL	173,498								
Highlands	FL	982								
Hillsborough	FL	1,298,599								
Holmes	FL	19,932								
Indian River	FL	13,881								
Jackson	FL	5,117								
Jefferson	FL	14,867								
Lafayette	FL	898								
Lake	FL	31,469								
Lee	FL	639,847								
Leon	FL	279,888								
Levy	FL	3,998								
Liberty	FL	845								
Madison	FL	19,371								
Manatee	FL	327,822								
Marion	FL	331,182								
Martin	FL	14,873								
Miami-Dade	FL	261,612								
Monroe	FL	73,756								
Nassau	FL	74,237								
Okaloosa	FL	184,613								
Okeechobee	FL	39,764								
Orange	FL	119,851								
Osceola	FL	28,131								
Palm Beach	FL	1,341,429								
Pasco	FL	466,248								
Pinellas	FL	91,674								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Polk	FL	611,415								
Putnam	FL	73,668								
Santa Rosa	FL	15,634								
Sarasota	FL	38,979								
Seminole	FL	424,228								
St. Johns	FL	2,184								
St. Lucie	FL	27,929								
Sumter	FL	13,862								
Suwannee	FL	42,217								
Taylor	FL	22,612	17.5	395,687	6.0	135,672	0.0	0	23.5	531,359
Union	FL	15,754								
Volusia	FL	495,357								
Wakulla	FL	3,154								
Walton	FL	56,737								
Washington	FL	2,545								
Appling	GA	1,865	0.0	0	6.0	11,190	17.5	32,636	23.5	43,826
Atkinson	GA	8,359								
Bacon	GA	11,154	0.0	0	6.0	66,924	17.5	195,184	23.5	262,108
Baker	GA	3,377								
Baldwin	GA	45,152								
Banks	GA	18,166								
Barrow	GA	69,683								
Bartow	GA	126								
Ben Hill	GA	17,815								
Berrien	GA	19,344								
Bibb	GA	157,144								
Bleckley	GA	13,865								
Brantley	GA	18,486	0.0	0	6.0	110,916	17.5	323,487	23.5	434,403
Brooks	GA	16,151								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Bryan	GA	3,276	52.5	171,980	24.0	78,624	17.5	57,327	94.0	307,931
Bulloch	GA	72,498	52.5	3,805,928	24.0	1,739,952	17.5	1,268,643	94.0	6,814,522
Burke	GA	23,774								
Butts	GA	2,356								
Calhoun	GA	6,718								
Camden	GA	552								
Candler	GA	113	70.0	7,910	30.0	3,390	17.5	1,977	117.5	13,277
Carroll	GA	11,699								
Catoosa	GA	64,418								
Charlton	GA	12,373								
Chatham	GA	278,932	52.5	14,643,093	18.0	5,020,776	0.0	0	70.5	19,663,869
Chattahoochee	GA	11,563								
Chattooga	GA	25,787	17.5	451,247	6.0	154,722	0.0	0	23.5	605,969
Cherokee	GA	219,227								
Clarke	GA	117,832								
Clay	GA	3,166	0.0	0	6.0	18,996	17.5	55,402	23.5	74,398
Clayton	GA	262,263								
Clinch	GA	6,829								
Cobb	GA	73,344								
Coffee	GA	42,732								
Colquitt	GA	45,715								
Columbia	GA	132,316								
Cook	GA	17,141								
Coweta	GA	13,476								
Crawford	GA	12,576								
Crisp	GA	23,484								
Dade	GA	16,573	35.0	580,022	12.0	198,876	0.0	0	47.0	778,898
Dawson	GA	22,411								
Decatur	GA	27,686								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
DeKalb	GA	7,291								
Dodge	GA	2,217								
Dooly	GA	14,939								
Dougherty	GA	9,432								
Douglas	GA	133,761								
Early	GA	1,718								
Echols	GA	473								
Effingham	GA	53,415	35.0	1,869,418	12.0	640,980	0.0	0	47.0	2,510,398
Elbert	GA	1,974								
Emanuel	GA	22,616								
Evans	GA	116	52.5	6,090	24.0	2,784	17.5	2,030	94.0	10,904
Fannin	GA	23,918	17.5	418,541	6.0	143,508	0.0	0	23.5	562,049
Fayette	GA	1,798								
Floyd	GA	95,267								
Forsyth	GA	185,169								
Franklin	GA	2,291								
Fulton	GA	976,563								
Gilmer	GA	28,646	17.5	501,276	6.0	171,876	0.0	0	23.5	673,152
Glascock	GA	361								
Glynn	GA	8,495	0.0	0	6.0	50,970	17.5	148,654	23.5	199,624
Gordon	GA	55,526	17.5	971,649	6.0	333,156	0.0	0	23.5	1,304,805
Grady	GA	25,219								
Greene	GA	16,177								
Gwinnett	GA	834,874								
Habersham	GA	43,539								
Hall	GA	182,997								
Hancock	GA	9,443								
Haralson	GA	28,522								
Harris	GA	32,757								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Hart	GA	25,274								
Heard	GA	11,713								
Henry	GA	28,749								
Houston	GA	146,152								
Irwin	GA	962								
Jackson	GA	6,112								
Jasper	GA	13,714								
Jeff Davis	GA	15,178	70.0	1,062,399	30.0	455,340	17.5	265,600	117.5	1,783,339
Jefferson	GA	16,786								
Jenkins	GA	7,995								
Johnson	GA	134								
Jones	GA	28,473								
Lamar	GA	18,426	70.0	1,289,746	30.0	552,780	17.5	322,437	117.5	2,164,963
Lanier	GA	1,464								
Laurens	GA	4,798								
Lee	GA	28,693								
Liberty	GA	65,368	52.5	3,431,624	24.0	1,568,832	17.5	1,143,875	94.0	6,144,331
Lincoln	GA	7,965								
Long	GA	1,592	0.0	0	6.0	9,552	17.5	27,858	23.5	37,410
Lowndes	GA	113,514								
Lumpkin	GA	345								
Macon	GA	14,688								
Madison	GA	28,198								
Marion	GA	882								
McDuffie	GA	21,745								
McIntosh	GA	14,327	0.0	0	6.0	85,962	17.5	250,708	23.5	336,670
Meriwether	GA	21,851								
Miller	GA	6,153								
Mitchell	GA	23,511								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Monroe	GA	26,616								
Montgomery	GA	9,138	70.0	639,623	30.0	274,140	17.5	159,906	117.5	1,073,669
Morgan	GA	187								
Murray	GA	39,635								
Muscogee	GA	19,618								
Newton	GA	1,758								
Oconee	GA	33,453								
Oglethorpe	GA	1,477								
Paulding	GA	142,461								
Peach	GA	28,193								
Pickens	GA	29,359	17.5	513,753	6.0	176,154	0.0	0	23.5	689,907
Pierce	GA	18,584	0.0	0	6.0	111,504	17.5	325,201	23.5	436,705
Pike	GA	17,732								
Polk	GA	477								
Pulaski	GA	11,946								
Putnam	GA	21,164								
Quitman	GA	2,429								
Rabun	GA	1,646	70.0	115,213	30.0	49,380	17.5	28,803	117.5	193,397
Randolph	GA	7,647								
Richmond	GA	2,982								
Rockdale	GA	85,649								
Schley	GA	516								
Screven	GA	1,458	17.5	25,514	12.0	17,496	17.5	25,514	47.0	68,523
Seminole	GA	8,721	0.0	0	6.0	52,326	17.5	152,609	23.5	204,935
Spalding	GA	63,685								
Stephens	GA	2,559								
Stewart	GA	6,132								
Sumter	GA	32,631								
Talbot	GA	6,857								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Taliaferro	GA	1,699								
Tattnall	GA	2,591	52.5	136,020	24.0	62,184	17.5	45,340	94.0	243,544
Taylor	GA	8,743								
Telfair	GA	16,452	70.0	1,151,574	30.0	493,560	17.5	287,894	117.5	1,933,028
Terrell	GA	929								
Thomas	GA	44,826								
Tift	GA	41,629								
Toombs	GA	27,411	70.0	1,918,660	30.0	822,330	17.5	479,665	117.5	3,220,655
Towns	GA	1,965	70.0	137,542	30.0	58,950	17.5	34,386	117.5	230,878
Treutlen	GA	6,866	70.0	480,593	30.0	205,980	17.5	120,148	117.5	806,721
Troup	GA	68,433								
Turner	GA	8,954								
Twiggs	GA	859								
Union	GA	2,217	70.0	155,181	30.0	66,510	17.5	38,795	117.5	260,486
Upson	GA	27,117								
Walker	GA	68,729								
Walton	GA	84,863								
Ware	GA	3,647								
Warren	GA	5,831								
Washington	GA	2,137								
Wayne	GA	3,244	0.0	0	6.0	19,464	17.5	56,767	23.5	76,231
Webster	GA	2,798								
Wheeler	GA	7,516	70.0	526,090	30.0	225,480	17.5	131,522	117.5	883,092
White	GA	27,179								
Whitfield	GA	12,692								
Wilcox	GA	9,247	70.0	647,253	30.0	277,410	17.5	161,813	117.5	1,086,476
Wilkes	GA	1,374								
Wilkinson	GA	9,474								
Worth	GA	2,183								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Gulf of Mexico Central and East	GM									
Gulf of Mexico West	GM									
Guam	GU	15,485	70.0	0	30.0	0	17.5	0	117.5	1,819,410
Hawaii	HI	188,814								
Honolulu	HI	976,584								
Kalawao	HI	1	52.5	51,267,730	24.0	23,438,016	17.5	17,089,243	94.0	94
Kauai	HI	68,616	35.0	35	18.0	18	17.5	17	70.5	4,837,222
Maui	HI	158,662	17.5	1,200,711	6.0	411,696	0.0	0	23.5	3,728,398
Adair	IA	7,621								
Adams	IA	415	70.0	533,440	30.0	228,630	17.5	133,360	117.5	48,760
Allamakee	IA	14,577	17.5	7,262	6.0	2,490	17.5	7,262	41.0	597,628
Appanoose	IA	12,779								
Audubon	IA	643	70.0	894,479	30.0	383,370	17.5	223,620	117.5	75,549
Benton	IA	2,598	17.5	11,252	6.0	3,858	0.0	0	23.5	61,050
Black Hawk	IA	13,231	17.5	45,462	6.0	15,588	0.0	0	23.5	310,915
Boone	IA	26,227								
Bremer	IA	24,631	17.5	458,946	6.0	157,362	0.0	0	23.5	578,804
Buchanan	IA	2,174	35.0	862,036	18.0	443,358	17.5	431,018	70.5	153,260
Buena Vista	IA	2,288	0.0	0	6.0	13,044	17.5	38,043	23.5	53,766
Butler	IA	1,552	17.5	40,038	6.0	13,728	0.0	0	23.5	36,470
Calhoun	IA	9,624	46.7	72,423	12.0	18,624	17.5	27,158	76.2	732,993
Carroll	IA	2,927	46.7	449,094	12.0	115,488	17.5	168,410	76.2	222,929
Cass	IA	13,799	70.0	204,878	30.0	87,810	17.5	51,220	117.5	1,621,314
Cedar	IA	18,462	17.5	241,469	6.0	82,794	0.0	0	23.5	433,839
Cerro Gordo	IA	43,863	52.5	969,200	18.0	332,316	0.0	0	70.5	3,092,210
Cherokee	IA	1,286								
Chickasaw	IA	12,419	52.5	67,511	18.0	23,148	0.0	0	70.5	875,502
Clarke	IA	9,315	35.0	434,640	18.0	223,542	17.5	217,320	70.5	656,680
Clay	IA	16,597								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Clayton	IA	17,836	29.2	484,052	12.0	199,164	17.5	290,431	58.7	1,046,331
Clinton	IA	487								
Crawford	IA	17,262	70.0	34,088	30.0	14,610	17.5	8,522	117.5	2,028,199
Dallas	IA	71,987								
Davis	IA	883								
Decatur	IA	8,465	70.0	61,806	30.0	26,490	17.5	15,452	117.5	994,595
Delaware	IA	1,779	29.2	246,882	12.0	101,580	17.5	148,129	58.7	104,363
Des Moines	IA	4,185								
Dickinson	IA	1,759								
Dubuque	IA	9,684	29.2	51,301	12.0	21,108	17.5	30,781	58.7	568,102
Emmet	IA	132								
Fayette	IA	292	35.0	4,620	18.0	2,376	17.5	2,310	70.5	20,585
Floyd	IA	1,594	52.5	15,329	18.0	5,256	0.0	0	70.5	112,372
Franklin	IA	1,692	17.5	27,893	6.0	9,564	0.0	0	23.5	39,760
Fremont	IA	7,313	17.5	29,608	6.0	10,152	0.0	0	23.5	171,848
Greene	IA	9,166	5.8	42,657	0.0	0	0.0	0	5.8	53,465
Grundy	IA	12,439								
Guthrie	IA	1,915								
Hamilton	IA	15,482	5.8	11,170	0.0	0	0.0	0	5.8	90,307
Hancock	IA	11,327	35.0	541,839	12.0	185,784	0.0	0	47.0	532,346
Hardin	IA	17,474	17.5	198,211	6.0	67,962	0.0	0	23.5	410,622
Harrison	IA	14,765	17.5	305,778	6.0	104,844	0.0	0	23.5	346,963
Henry	IA	2,234								
Howard	IA	9,556	52.5	117,278	24.0	53,616	17.5	39,093	94.0	898,226
Humboldt	IA	9,769	17.5	167,220	0.0	0	5.8	55,740	23.3	227,930
Ida	IA	723	70.0	683,791	30.0	293,070	17.5	170,948	117.5	84,949
Iowa	IA	16,413	17.5	12,652	6.0	4,338	0.0	0	23.5	385,689
Jackson	IA	19,818								
Jasper	IA	36,519								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Jefferson	IA	17,114								
Johnson	IA	133,686	17.5	299,478	6.0	102,684	0.0	0	23.5	3,141,487
Jones	IA	2,571	35.0	4,678,743	12.0	1,604,232	0.0	0	47.0	120,832
Keokuk	IA	1,567	17.5	44,990	6.0	15,426	0.0	0	23.5	36,823
Kossuth	IA	15,432	23.3	36,561	6.0	9,402	0.0	0	29.3	452,651
Lee	IA	35,656								
Linn	IA	214,471	17.5	623,944	6.0	213,936	0.0	0	23.5	5,039,854
Louisa	IA	11,336								
Lucas	IA	8,743	35.0	396,737	18.0	204,048	17.5	198,369	70.5	616,355
Lyon	IA	1,184								
Madison	IA	15,897								
Mahaska	IA	22,555	35.0	556,363	12.0	190,764	0.0	0	47.0	1,060,040
Marion	IA	33,251								
Marshall	IA	4,999								
Mills	IA	14,941	17.5	87,478	6.0	29,994	0.0	0	23.5	351,099
Mitchell	IA	1,929	52.5	784,358	24.0	358,584	17.5	261,453	94.0	181,318
Monona	IA	943	70.0	135,022	24.0	46,296	0.0	0	94.0	88,638
Monroe	IA	847	52.5	49,505	18.0	16,974	0.0	0	70.5	59,711
Montgomery	IA	1,526	52.5	44,465	24.0	20,328	17.5	14,822	94.0	143,438
Muscatine	IA	4,361	17.5	26,703	6.0	9,156	0.0	0	23.5	102,479
O'Brien	IA	14,176								
Osceola	IA	6,298								
Page	IA	15,977	70.0	440,835	30.0	188,940	17.5	110,209	117.5	1,877,218
Palo Alto	IA	9,437								
Plymouth	IA	24,973								
Pocahontas	IA	7,248	11.7	291,335	6.0	149,838	17.5	437,003	35.2	254,876
Polk	IA	44,221								
Pottawattamie	IA	93,257	17.5	773,823	6.0	265,326	0.0	0	23.5	2,191,446
Poweshiek	IA	18,823	17.5	1,631,904	12.0	1,119,084	17.5	1,631,904	47.0	884,643

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Ringgold	IA	5,156	70.0	1,317,535	30.0	564,690	17.5	329,384	117.5	605,804
Sac	IA	1,164	46.7	240,600	12.0	61,872	17.5	90,225	76.2	88,654
Scott	IA	168,188	17.5	20,369	6.0	6,984	0.0	0	23.5	3,952,250
Shelby	IA	11,921	52.5	8,829,365	24.0	4,036,512	17.5	2,943,122	94.0	1,120,526
Sioux	IA	33,898								
Story	IA	88,797								
Tama	IA	17,625	17.5	1,553,859	6.0	532,782	0.0	0	23.5	414,170
Taylor	IA	633	70.0	1,233,680	30.0	528,750	17.5	308,420	117.5	74,374
Union	IA	12,623	70.0	44,307	30.0	18,990	17.5	11,077	117.5	1,483,139
Van Buren	IA	7,488								
Wapello	IA	35,175								
Warren	IA	47,546								
Washington	IA	21,945	17.5	832,007	6.0	285,276	0.0	0	23.5	515,686
Wayne	IA	6,339	70.0	1,536,062	30.0	658,350	17.5	384,016	117.5	744,801
Webster	IA	37,777	5.8	36,975	0.0	0	5.8	36,975	11.7	440,706
Winnebago	IA	1,851	35.0	1,322,119	12.0	453,324	0.0	0	47.0	86,993
Winneshiek	IA	2,192	17.5	32,391	6.0	11,106	17.5	32,391	41.0	89,868
Woodbury	IA	12,144	52.5	115,073	18.0	39,456	0.0	0	70.5	856,116
Worth	IA	7,529	70.0	850,031	30.0	364,320	17.5	212,508	117.5	884,620
Wright	IA	12,896	5.8	43,917	0.0	0	0.0	0	5.8	75,222
Ada	ID	47,293								
Adams	ID	494	70.0	3,310,321	30.0	1,418,790	17.5	827,580	117.5	58,043
Bannock	ID	83,336								
Bear Lake	ID	5,993	70.0	5,833,187	30.0	2,500,080	17.5	1,458,297	117.5	704,148
Benewah	ID	9,464								
Bingham	ID	46,193								
Blaine	ID	22,533								
Boise	ID	7,247								
Bonner	ID	42,755								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Bonneville	ID	1,681								
Boundary	ID	11,311	70.0	117,663	30.0	50,430	17.5	29,416	117.5	1,328,986
Butte	ID	2,773	70.0	791,725	30.0	339,330	17.5	197,931	117.5	325,814
Camas	ID	1,269								
Canyon	ID	193,781								
Caribou	ID	6,821								
Cassia	ID	23,452								
Clark	ID	961	70.0	1,641,546	30.0	703,560	17.5	410,387	117.5	112,913
Clearwater	ID	8,755	17.5	16,817	6.0	5,766	0.0	0	23.5	205,734
Custer	ID	433	70.0	612,815	30.0	262,650	17.5	153,204	117.5	50,875
Elmore	ID	2,694								
Franklin	ID	1,367	70.0	188,569	30.0	80,820	17.5	47,142	117.5	160,616
Fremont	ID	13,649	70.0	95,685	30.0	41,010	17.5	23,921	117.5	1,603,689
Gem	ID	16,646								
Gooding	ID	15,468								
Idaho	ID	1,648	17.5	270,675	6.0	92,808	0.0	0	23.5	38,726
Jefferson	ID	26,528								
Jerome	ID	22,615								
Kootenai	ID	143,859								
Latah	ID	37,113								
Lemhi	ID	879	70.0	2,597,762	30.0	1,113,390	17.5	649,440	117.5	103,278
Lewis	ID	3,881	35.0	30,763	12.0	10,548	0.0	0	47.0	182,399
Lincoln	ID	5,218								
Madison	ID	37,963								
Minidoka	ID	2,261								
Nez Perce	ID	39,821	35.0	79,130	12.0	27,132	0.0	0	47.0	1,871,507
Oneida	ID	4,247								
Owyhee	ID	1,151								
Payette	ID	22,734								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Power	ID	7,795								
Shoshone	ID	12,638	70.0	545,619	30.0	233,850	17.5	136,405	117.5	1,484,902
Teton	ID	1,434	70.0	884,609	30.0	379,140	17.5	221,152	117.5	168,488
Twin Falls	ID	77,997								
Valley	ID	1,123								
Washington	ID	1,232								
Adams	IL	66,998								
Alexander	IL	7,943								
Bond	IL	17,594	52.5	416,984	24.0	190,632	17.5	138,995	94.0	1,653,766
Boone	IL	5,439	11.7	205,252	0.0	0	0.0	0	11.7	63,451
Brown	IL	6,868								
Bureau	IL	34,698								
Calhoun	IL	54								
Carroll	IL	1,517								
Cass	IL	13,537	0.0	0	6.0	9,102	17.5	26,546	23.5	318,106
Champaign	IL	214	17.5	236,884	6.0	81,222	0.0	0	23.5	5,029
Christian	IL	34,592								
Clark	IL	16,192								
Clay	IL	13,594	17.5	283,344	6.0	97,152	0.0	0	23.5	319,445
Clinton	IL	3,887	52.5	713,644	24.0	326,256	17.5	237,881	94.0	365,362
Coles	IL	53,583	17.5	68,019	12.0	46,644	17.5	68,019	47.0	2,518,294
Cook	IL	52,228								
Crawford	IL	19,673								
Cumberland	IL	1,175	17.5	344,258	6.0	118,038	0.0	0	23.5	27,611
De Witt	IL	1,662								
DeKalb	IL	13,354								
Douglas	IL	1,982	17.5	233,682	6.0	80,124	0.0	0	23.5	46,575
DuPage	IL	92,246								
Edgar	IL	18,418	17.5	1,614,213	6.0	553,476	0.0	0	23.5	432,805

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Edwards	IL	6,522								
Effingham	IL	34,589	17.5	114,128	6.0	39,132	0.0	0	23.5	812,807
Fayette	IL	2,232								
Ford	IL	14,112								
Franklin	IL	39,383								
Fulton	IL	3,686								
Gallatin	IL	5,516								
Greene	IL	13,726	0.0	0	6.0	33,096	17.5	96,524	23.5	322,547
Grundy	IL	516	17.5	240,191	6.0	82,356	0.0	0	23.5	12,125
Hamilton	IL	8,292								
Hancock	IL	1,894								
Hardin	IL	4,155	17.5	33,143	12.0	22,728	17.5	33,143	47.0	195,277
Henderson	IL	7,195								
Henry	IL	5,431								
Iroquois	IL	2,942								
Jackson	IL	58,788	70.0	205,928	30.0	88,260	17.5	51,482	117.5	6,907,296
Jasper	IL	9,693	17.5	1,028,731	6.0	352,728	0.0	0	23.5	227,776
Jefferson	IL	38,561								
Jersey	IL	2,339								
Jo Daviess	IL	22,855								
Johnson	IL	12,434	17.5	399,940	12.0	274,260	17.5	399,940	47.0	584,373
Kane	IL	518,769								
Kankakee	IL	113,112	17.5	9,077,939	6.0	3,112,614	0.0	0	23.5	2,658,019
Kendall	IL	11,677								
Knox	IL	52,569								
La Salle	IL	113,238								
Lake	IL	76,895								
Lawrence	IL	18,274								
Lee	IL	35,896								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Livingston	IL	38,721								
Logan	IL	29,827								
Macon	IL	11,578								
Macoupin	IL	47,612								
Madison	IL	267,269								
Marion	IL	39,342								
Marshall	IL	1,267								
Mason	IL	14,431								
Massac	IL	1,535	17.5	252,528	12.0	173,172	17.5	252,528	47.0	72,142
McDonough	IL	31,893								
McHenry	IL	31,333								
McLean	IL	169,788								
Menard	IL	1,275								
Mercer	IL	16,434								
Monroe	IL	3,332								
Montgomery	IL	2,967								
Morgan	IL	3,494	0.0	0	6.0	17,802	17.5	51,920	23.5	82,106
Moultrie	IL	14,831								
Ogle	IL	5,352								
Peoria	IL	18,686								
Perry	IL	22,273								
Piatt	IL	1,677								
Pike	IL	16,335								
Pope	IL	4,388	17.5	285,846	12.0	196,020	17.5	285,846	47.0	206,227
Pulaski	IL	63								
Putnam	IL	5,962	17.5	1,102	6.0	378	0.0	0	23.5	140,101
Randolph	IL	33,162								
Richland	IL	16,239	17.5	580,302	6.0	198,972	0.0	0	23.5	381,600
Rock Island	IL	147,836								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Saline	IL	24,748								
Sangamon	IL	198,644								
Schuyler	IL	7,546								
Scott	IL	5,275	0.0	0	6.0	45,276	17.5	132,047	23.5	123,957
Shelby	IL	2,289								
St. Clair	IL	266,724								
Stark	IL	5,952	17.5	4,667,403	6.0	1,600,344	0.0	0	23.5	139,866
Stephenson	IL	47,638								
Tazewell	IL	135,678								
Union	IL	17,641	17.5	2,374,229	12.0	1,628,136	17.5	2,374,229	47.0	829,092
Vermilion	IL	8,949								
Wabash	IL	11,721								
Warren	IL	1,766								
Washington	IL	1,469								
Wayne	IL	1,623								
White	IL	14,515								
Whiteside	IL	58,214								
Will	IL	682,756								
Williamson	IL	66,285								
Winnebago	IL	29,359								
Woodford	IL	3,989								
Adams	IN	34,326								
Allen	IN	3,691								
Bartholomew	IN	7,831								
Benton	IN	8,831								
Blackford	IN	12,539								
Boone	IN	5,849								
Brown	IN	15,548								
Carroll	IN	29								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Cass	IN	38,931								
Clark	IN	111,577								
Clay	IN	26,679								
Clinton	IN	3,287								
Crawford	IN	1,669								
Daviess	IN	32,152								
De Kalb	IN	514								
Dearborn	IN	263	17.5	8,994	6.0	3,084	0.0	0	23.5	6,180
Decatur	IN	42,478								
Delaware	IN	1,181								
Dubois	IN	42,247								
Elkhart	IN	199,349								
Fayette	IN	2,416								
Floyd	IN	7,527								
Fountain	IN	17,136								
Franklin	IN	2,363								
Fulton	IN	2,763								
Gibson	IN	33,467								
Grant	IN	69,393								
Greene	IN	3,261								
Hamilton	IN	289,149								
Hancock	IN	71,525								
Harrison	IN	39,416								
Hendricks	IN	1,568								
Henry	IN	491								
Howard	IN	82,183								
Huntington	IN	37,242								
Jackson	IN	43,146								
Jasper	IN	3,369								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Jay	IN	21,159								
Jefferson	IN	32,239								
Jennings	IN	2,828	17.5	564,150	6.0	193,434	0.0	0	23.5	66,455
Johnson	IN	143,415								
Knox	IN	38,336								
Kosciusko	IN	7,811								
La Porte	IN	37,659								
Lagrange	IN	492,895								
Lake	IN	111,552								
Lawrence	IN	46,117								
Madison	IN	13,636								
Marion	IN	98,658								
Marshall	IN	47,389								
Martin	IN	149								
Miami	IN	37,252								
Monroe	IN	14,818								
Montgomery	IN	38,434								
Morgan	IN	69,645								
Newton	IN	14,345								
Noble	IN	4,777								
Ohio	IN	698								
Orange	IN	19,975								
Owen	IN	21,532								
Parke	IN	17,528								
Perry	IN	19,347								
Pike	IN	12,746								
Porter	IN	165,725								
Posey	IN	25,643								
Pulaski	IN	1,321								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Putnam	IN	38,294								
Randolph	IN	25,873								
Ripley	IN	28,736								
Rush	IN	17,251								
Scott	IN	2,469								
Shelby	IN	4,454								
Spencer	IN	2,999								
St. Joseph	IN	264,482								
Starke	IN	23,225								
Steuben	IN	34,513								
Sullivan	IN	21,296								
Switzerland	IN	157								
Tippecanoe	IN	176,485								
Tipton	IN	15,687								
Union	IN	7,483								
Vanderburgh	IN	181,135								
Vermillion	IN	16,268								
Vigo	IN	18,948	0.0	0	6.0	97,608	17.5	284,674	23.5	445,259
Wabash	IN	32,592								
Warren	IN	8,466								
Warrick	IN	6,176								
Washington	IN	28,148								
Wayne	IN	6,887								
Wells	IN	27,731								
White	IN	24,812								
Whitley	IN	3,359								
Allen	KS	1,339								
Anderson	KS	85								
Atchison	KS	16,785								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Barber	KS	4,888	52.5	881,162	18.0	302,130	0.0	0	70.5	344,589
Barton	KS	27,742	23.3	114,047	6.0	29,328	0.0	0	29.3	813,728
Bourbon	KS	14,991								
Brown	KS	9,872								
Butler	KS	66,367								
Chase	KS	2,826	17.5	1,161,356	6.0	398,202	0.0	0	23.5	66,408
Chautauqua	KS	3,519	23.3	65,936	12.0	33,912	0.0	0	35.3	124,333
Cherokee	KS	21,235								
Cheyenne	KS	2,713	70.0	1,486,365	30.0	637,050	17.5	371,591	117.5	318,764
Clark	KS	2,216	70.0	189,899	30.0	81,390	17.5	47,475	117.5	260,369
Clay	KS	8,554	0.0	0	6.0	13,296	17.5	38,778	23.5	201,010
Cloud	KS	9,428	0.0	0	6.0	51,324	17.5	149,686	23.5	221,549
Coffey	KS	877								
Comanche	KS	196	70.0	61,386	30.0	26,310	17.5	15,347	117.5	23,029
Cowley	KS	36,317								
Crawford	KS	3,932								
Decatur	KS	359	70.0	275,224	30.0	117,960	17.5	68,806	117.5	42,181
Dickinson	KS	19,776								
Doniphan	KS	7,918								
Douglas	KS	112,648								
Edwards	KS	316	52.5	5,913,682	18.0	2,027,664	0.0	0	70.5	22,277
Elk	KS	2,862	40.8	12,903	18.0	5,688	0.0	0	58.8	168,374
Ellis	KS	28,785	35.0	100,164	18.0	51,516	17.5	50,082	70.5	2,029,256
Ellsworth	KS	6,554								
Finney	KS	372	52.5	344,065	24.0	157,296	17.5	114,688	94.0	34,967
Ford	KS	3,532	70.0	26,039	30.0	11,160	17.5	6,510	117.5	414,992
Franklin	KS	25,964								
Geary	KS	3,625								
Gove	KS	2,735	70.0	253,736	30.0	108,750	17.5	63,434	117.5	321,349

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Graham	KS	254	35.0	95,720	18.0	49,230	17.5	47,860	70.5	17,906
Grant	KS	862	52.5	13,334	24.0	6,096	17.5	4,445	94.0	81,025
Gray	KS	681	52.5	45,252	24.0	20,688	17.5	15,084	94.0	64,011
Greeley	KS	1,277	70.0	47,667	30.0	20,430	17.5	11,917	117.5	150,041
Greenwood	KS	6,589	58.3	74,487	24.0	30,648	0.0	0	82.3	542,472
Hamilton	KS	279	70.0	461,204	30.0	197,670	17.5	115,301	117.5	32,781
Harper	KS	596	52.5	14,647	18.0	5,022	0.0	0	70.5	42,016
Harvey	KS	34,941								
Haskell	KS	4,313	52.5	1,834,298	24.0	838,584	17.5	611,433	94.0	405,405
Hodgeman	KS	1,936	52.5	226,420	24.0	103,512	17.5	75,473	94.0	181,976
Jackson	KS	13,449								
Jefferson	KS	1,899								
Jewell	KS	2,972	0.0	0	6.0	11,394	17.5	33,231	23.5	69,839
Johnson	KS	556,919								
Kearny	KS	47	52.5	29,236,577	24.0	13,366,056	17.5	9,745,526	94.0	4,418
Kingman	KS	7,852	11.7	548	0.0	0	0.0	0	11.7	91,601
Kiowa	KS	2,645	70.0	549,609	30.0	235,560	17.5	137,402	117.5	310,774
Labette	KS	21,274								
Lane	KS	1,749	52.5	1,116,821	24.0	510,576	17.5	372,274	94.0	164,399
Leavenworth	KS	7,752								
Lincoln	KS	3,132	0.0	0	6.0	46,512	17.5	135,652	23.5	73,599
Linn	KS	9,616								
Logan	KS	289	70.0	673,082	30.0	288,480	17.5	168,270	117.5	33,956
Lyon	KS	33,425								
Marion	KS	12,476								
Marshall	KS	189	0.0	0	6.0	74,856	17.5	218,318	23.5	4,441
McPherson	KS	28,835	5.8	1,102	0.0	0	0.0	0	5.8	168,195
Meade	KS	461	52.5	1,513,751	24.0	692,040	17.5	504,584	94.0	43,332
Miami	KS	32,745								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Mitchell	KS	6,264	0.0	0	6.0	196,470	17.5	573,005	23.5	147,198
Montgomery	KS	3,488								
Morris	KS	59								
Morton	KS	325	70.0	4,130	30.0	1,770	17.5	1,032	117.5	38,186
Nemaha	KS	1,277								
Neosho	KS	1,642								
Ness	KS	394	35.0	57,467	18.0	29,556	17.5	28,733	70.5	27,776
Norton	KS	5,678	70.0	27,578	30.0	11,820	17.5	6,895	117.5	667,137
Osage	KS	16,156								
Osborne	KS	3,843	0.0	0	6.0	96,936	17.5	282,714	23.5	90,307
Ottawa	KS	629								
Pawnee	KS	6,943	52.5	33,021	18.0	11,322	0.0	0	70.5	489,461
Phillips	KS	5,463	70.0	485,982	30.0	208,290	17.5	121,496	117.5	641,875
Pottawatomie	KS	22,429								
Pratt	KS	9,668	52.5	1,177,455	18.0	403,722	0.0	0	70.5	681,565
Rawlins	KS	2,461	70.0	676,721	30.0	290,040	17.5	169,180	117.5	289,155
Reno	KS	64,488	5.8	14,355	0.0	0	0.0	0	5.8	376,159
Republic	KS	4,865	0.0	0	6.0	386,928	17.5	1,128,476	23.5	114,323
Rice	KS	158	5.8	28,378	0.0	0	0.0	0	5.8	922
Riley	KS	74,191								
Rooks	KS	5,131	0.0	0	6.0	445,146	17.5	1,298,268	23.5	120,573
Rush	KS	3,353	35.0	179,575	12.0	61,572	0.0	0	47.0	157,584
Russell	KS	714								
Saline	KS	5,622	5.8	4,165	0.0	0	0.0	0	5.8	32,793
Scott	KS	4,928	52.5	295,138	24.0	134,928	17.5	98,379	94.0	463,212
Sedgwick	KS	52,989								
Seward	KS	23,634	70.0	3,709,018	30.0	1,589,670	17.5	927,255	117.5	2,776,877
Shawnee	KS	178,267								
Sheridan	KS	2,576	70.0	12,477,977	30.0	5,348,010	17.5	3,119,494	117.5	302,667

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Sherman	KS	637	70.0	180,310	30.0	77,280	17.5	45,077	117.5	74,844
Smith	KS	386	0.0	0	6.0	3,822	17.5	11,147	23.5	9,071
Stafford	KS	4,376	5.8	2,252	0.0	0	0.0	0	5.8	25,525
Stanton	KS	2,246	70.0	306,302	30.0	131,280	17.5	76,576	117.5	263,894
Stevens	KS	5,685	70.0	157,211	30.0	67,380	17.5	39,303	117.5	667,959
Sumner	KS	23,738								
Thomas	KS	796	70.0	1,661,565	30.0	712,140	17.5	415,391	117.5	93,526
Trego	KS	2,845	35.0	27,858	18.0	14,328	17.5	13,929	70.5	200,564
Wabaunsee	KS	75								
Wallace	KS	1,495	70.0	5,250	30.0	2,250	17.5	1,312	117.5	175,655
Washington	KS	5,832	0.0	0	6.0	8,970	17.5	26,161	23.5	137,046
Wichita	KS	2,314	52.5	306,163	24.0	139,968	17.5	102,054	94.0	217,507
Wilson	KS	941								
Woodson	KS	3,254								
Wyandotte	KS	157,458								
Adair	KY	188	70.0	11,021,430	30.0	4,723,740	17.5	2,755,358	117.5	22,089
Allen	KY	2,119	35.0	6,580	18.0	3,384	17.5	3,290	70.5	149,383
Anderson	KY	21,656	17.5	37,080	6.0	12,714	0.0	0	23.5	508,894
Ballard	KY	8,262								
Barren	KY	42,354	35.0	289,153	18.0	148,716	17.5	144,577	70.5	2,985,830
Bath	KY	11,765	17.5	741,153	6.0	254,124	0.0	0	23.5	276,466
Bell	KY	28,818								
Boone	KY	12,293								
Bourbon	KY	19,724	17.5	215,115	6.0	73,758	0.0	0	23.5	463,494
Boyd	KY	4,943	70.0	1,380,601	30.0	591,720	17.5	345,150	117.5	580,778
Boyle	KY	28,573	17.5	86,498	6.0	29,658	0.0	0	23.5	671,437
Bracken	KY	846	17.5	499,999	6.0	171,438	0.0	0	23.5	19,880
Breathitt	KY	13,951	70.0	59,217	30.0	25,380	17.5	14,804	117.5	1,639,173
Breckinridge	KY	2,293								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Bullitt	KY	7,523								
Butler	KY	12,973	35.0	263,290	18.0	135,414	17.5	131,645	70.5	914,558
Caldwell	KY	12,927	17.5	227,015	12.0	155,676	17.5	227,015	47.0	607,543
Calloway	KY	37,562								
Campbell	KY	9,147								
Carlisle	KY	5,143								
Carroll	KY	1,615	52.5	269,992	18.0	92,574	0.0	0	70.5	113,853
Carter	KY	27,559	35.0	56,522	18.0	29,070	17.5	28,261	70.5	1,942,827
Casey	KY	15,896								
Christian	KY	7,372								
Clark	KY	3,532	17.5	129,003	6.0	44,232	0.0	0	23.5	82,998
Clay	KY	2,186								
Clinton	KY	1,111								
Crittenden	KY	9,264	17.5	19,441	12.0	13,332	17.5	19,441	47.0	435,389
Cumberland	KY	6,828	70.0	648,443	30.0	277,920	17.5	162,111	117.5	802,256
Daviess	KY	97,858								
Edmonson	KY	12,234	35.0	3,424,834	18.0	1,761,444	17.5	1,712,417	70.5	862,460
Elliott	KY	7,987	70.0	856,331	30.0	367,020	17.5	214,083	117.5	938,433
Estill	KY	14,672	17.5	139,765	6.0	47,922	0.0	0	23.5	344,777
Fayette	KY	33,922	17.5	256,745	6.0	88,032	0.0	0	23.5	797,133
Fleming	KY	14,325	35.0	1,187,202	18.0	610,596	17.5	593,601	70.5	1,009,870
Floyd	KY	39,223	70.0	1,002,693	30.0	429,750	17.5	250,673	117.5	4,608,506
Franklin	KY	4,945	17.5	686,363	6.0	235,338	0.0	0	23.5	116,203
Fulton	KY	6,677								
Gallatin	KY	8,494								
Garrard	KY	16,778	17.5	148,637	6.0	50,964	0.0	0	23.5	394,266
Grant	KY	24,259								
Graves	KY	37,314	17.5	424,508	12.0	291,108	17.5	424,508	47.0	1,753,683
Grayson	KY	25,958	35.0	1,305,915	18.0	671,652	17.5	652,958	70.5	1,829,961

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Green	KY	11,464	70.0	1,816,956	30.0	778,740	17.5	454,239	117.5	1,346,963
Greenup	KY	36,632	35.0	401,217	18.0	206,352	17.5	200,609	70.5	2,582,446
Hancock	KY	8,592								
Hardin	KY	16,994								
Harlan	KY	29,399	70.0	1,189,512	30.0	509,820	17.5	297,378	117.5	3,454,236
Harrison	KY	18,475	17.5	514,453	6.0	176,394	0.0	0	23.5	434,144
Hart	KY	18,134	35.0	646,588	18.0	332,550	17.5	323,294	70.5	1,278,393
Henderson	KY	46,396								
Henry	KY	1,534								
Hickman	KY	483								
Hopkins	KY	46,856								
Jackson	KY	1,362	17.5	819,933	6.0	281,136	0.0	0	23.5	32,006
Jefferson	KY	74,446								
Jessamine	KY	4,917	17.5	1,302,731	6.0	446,676	0.0	0	23.5	115,545
Johnson	KY	23,181	70.0	344,170	30.0	147,510	17.5	86,043	117.5	2,723,652
Kenton	KY	1,634								
Knott	KY	16,296	70.0	114,373	30.0	49,020	17.5	28,593	117.5	1,914,699
Knox	KY	321								
Larue	KY	14,318								
Laurel	KY	5,986								
Lawrence	KY	15,975	70.0	418,996	30.0	179,580	17.5	104,749	117.5	1,876,983
Lee	KY	7,944	70.0	1,118,186	30.0	479,250	17.5	279,547	117.5	933,380
Leslie	KY	11,224	70.0	556,048	30.0	238,320	17.5	139,012	117.5	1,318,764
Letcher	KY	24,265	70.0	785,635	30.0	336,720	17.5	196,409	117.5	2,851,016
Lewis	KY	13,839	35.0	849,226	18.0	436,770	17.5	424,613	70.5	975,608
Lincoln	KY	2,474								
Livingston	KY	9,554	17.5	43,293	12.0	29,688	17.5	43,293	47.0	449,019
Logan	KY	26,754								
Lyon	KY	836	17.5	468,168	12.0	321,048	17.5	468,168	47.0	39,290

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Madison	KY	8,474	17.5	14,629	6.0	5,016	0.0	0	23.5	199,131
Magoffin	KY	13,744	70.0	593,146	30.0	254,220	17.5	148,287	117.5	1,614,851
Marion	KY	217	70.0	962,025	30.0	412,320	17.5	240,506	117.5	25,496
Marshall	KY	31,259	17.5	3,797	12.0	2,604	17.5	3,797	47.0	1,469,110
Martin	KY	1,338	70.0	2,188,005	30.0	937,770	17.5	547,001	117.5	157,208
Mason	KY	17,321	35.0	46,827	18.0	24,084	17.5	23,414	70.5	1,221,079
McCracken	KY	65,332	17.5	303,100	12.0	207,852	17.5	303,100	47.0	3,070,473
McCreary	KY	18,514								
McLean	KY	9,551								
Meade	KY	28,463								
Menifee	KY	6,371	70.0	1,992,296	30.0	853,890	17.5	498,074	117.5	748,561
Mercer	KY	2,945	17.5	111,486	6.0	38,226	0.0	0	23.5	69,205
Metcalfe	KY	16	70.0	206,138	30.0	88,350	17.5	51,535	117.5	1,880
Monroe	KY	1,872	70.0	1,120	30.0	480	17.5	280	117.5	219,951
Montgomery	KY	26,538	17.5	32,758	6.0	11,232	0.0	0	23.5	623,616
Morgan	KY	13,925	70.0	1,857,554	30.0	796,140	17.5	464,388	117.5	1,636,118
Muhlenberg	KY	31,228	35.0	487,347	18.0	250,650	17.5	243,674	70.5	2,201,480
Nelson	KY	4,371								
Nicholas	KY	6,885	17.5	76,488	6.0	26,226	0.0	0	23.5	161,791
Ohio	KY	2,446								
Oldham	KY	6,798								
Owen	KY	1,648	17.5	118,958	6.0	40,788	0.0	0	23.5	38,726
Owsley	KY	4,839	70.0	115,353	30.0	49,440	17.5	28,838	117.5	568,558
Pendleton	KY	14,531	17.5	84,678	6.0	29,034	0.0	0	23.5	341,464
Perry	KY	29,117	70.0	1,017,112	30.0	435,930	17.5	254,278	117.5	3,421,102
Pike	KY	65,422	70.0	2,038,074	30.0	873,510	17.5	509,518	117.5	7,686,758
Powell	KY	12,658	17.5	1,144,820	6.0	392,532	0.0	0	23.5	297,450
Pulaski	KY	6,343								
Robertson	KY	2,262	70.0	443,985	30.0	190,290	17.5	110,996	117.5	265,774

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Rockcastle	KY	1,784								
Rowan	KY	23,246	70.0	124,873	30.0	53,520	17.5	31,218	117.5	2,731,289
Russell	KY	1,742								
Scott	KY	48,127	17.5	30,483	6.0	10,452	0.0	0	23.5	1,130,936
Shelby	KY	42,843								
Simpson	KY	17,515	35.0	1,499,419	18.0	771,174	17.5	749,710	70.5	1,234,755
Spencer	KY	17,327								
Taylor	KY	24,941	70.0	1,212,821	30.0	519,810	17.5	303,205	117.5	2,930,443
Todd	KY	12,566								
Trigg	KY	14,399								
Trimble	KY	8,685	17.5	251,968	6.0	86,394	0.0	0	23.5	204,089
Union	KY	14,939								
Warren	KY	116,131	35.0	522,835	18.0	268,902	17.5	261,418	70.5	8,186,887
Washington	KY	11,848	17.5	2,032,176	6.0	696,786	0.0	0	23.5	278,416
Wayne	KY	2,116								
Webster	KY	13,573								
Whitley	KY	3,598								
Wolfe	KY	7,349	70.0	251,846	30.0	107,940	17.5	62,961	117.5	863,471
Woodford	KY	2,529	17.5	128,600	6.0	44,094	0.0	0	23.5	59,429
Acadia Parish	LA	61,558	17.5	44,255	6.0	15,174	0.0	0	23.5	1,446,551
Allen Parish	LA	2,586								
Ascension Parish	LA	111,778								
Assumption Parish	LA	22,956								
Avoyelles Parish	LA	41,826								
Beauregard Parish	LA	36,589								
Bienville Parish	LA	14,328	17.5	640,271	6.0	219,534	0.0	0	23.5	336,694
Bossier Parish	LA	12,287								
Caddo Parish	LA	256,141								
Calcasieu Parish	LA	19,499								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Caldwell Parish	LA	121	17.5	341,213	6.0	116,994	0.0	0	23.5	2,843
Cameron Parish	LA	6,713								
Catahoula Parish	LA	1,393								
Claiborne Parish	LA	17,225								
Concordia Parish	LA	2,971								
De Soto Parish	LA	2,778								
East Baton Rouge Parish	LA	441,441	70.0	194,449	30.0	83,340	17.5	48,612	117.5	51,867,110
East Carroll Parish	LA	7,533	35.0	15,449,552	18.0	7,945,938	17.5	7,724,776	70.5	531,054
East Feliciana Parish	LA	2,294								
Evangeline Parish	LA	33,818	17.5	40,143	6.0	13,764	0.0	0	23.5	794,689
Franklin Parish	LA	286	17.5	591,781	6.0	202,908	0.0	0	23.5	6,721
Grant Parish	LA	22,449	17.5	5,005	12.0	3,432	17.5	5,005	47.0	1,055,058
Iberia Parish	LA	73,176								
Iberville Parish	LA	33,741								
Jackson Parish	LA	16,534	35.0	1,180,868	18.0	607,338	17.5	590,434	70.5	1,165,597
Jefferson Davis Parish	LA	431,868								
Jefferson Parish	LA	31,541								
La Salle Parish	LA	1,516								
Lafayette Parish	LA	228,596	17.5	26,528	12.0	18,192	17.5	26,528	47.0	10,743,555
Lafourche Parish	LA	97,379								
Lincoln Parish	LA	46,664								
Livingston Parish	LA	13,228								
Madison Parish	LA	12,147								
Morehouse Parish	LA	27,224	35.0	425,121	18.0	218,646	17.5	212,560	70.5	1,919,210
Natchitoches Parish	LA	39,114	17.5	476,393	6.0	163,344	0.0	0	23.5	919,140
Orleans Parish	LA	377,433								
Ouachita Parish	LA	154,787	17.5	6,604,700	12.0	4,529,196	17.5	6,604,700	47.0	7,274,679
Plaquemines Parish	LA	2,418								
Pointe Coupee Parish	LA	22,998								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Rapides Parish	LA	13,938								
Red River Parish	LA	924	17.5	243,901	6.0	83,628	0.0	0	23.5	21,713
Richland Parish	LA	2,159	35.0	32,338	18.0	16,632	17.5	16,169	70.5	152,203
Sabine Parish	LA	24,934	17.5	37,780	6.0	12,954	0.0	0	23.5	585,924
St. Bernard Parish	LA	4,851								
St. Charles Parish	LA	52,582								
St. Helena Parish	LA	11,193								
St. James Parish	LA	22,243								
St. John the Baptist Parish	LA	4,545								
St. Landry Parish	LA	83,784								
St. Martin Parish	LA	5,298								
St. Mary Parish	LA	54,245								
St. Tammany Parish	LA	239,591								
Tangipahoa Parish	LA	124,877								
Tensas Parish	LA	515	17.5	2,185,223	6.0	749,262	0.0	0	23.5	12,102
Terrebonne Parish	LA	11,254								
Union Parish	LA	22,816								
Vermilion Parish	LA	58,379								
Vernon Parish	LA	52,468	17.5	1,021,574	6.0	350,274	0.0	0	23.5	1,232,946
Washington Parish	LA	471								
Webster Parish	LA	41,256								
West Baton Rouge Parish	LA	24,441	70.0	2,887,755	30.0	1,237,680	17.5	721,939	117.5	2,871,695
West Carroll Parish	LA	11,564	35.0	855,386	18.0	439,938	17.5	427,693	70.5	815,227
West Feliciana Parish	LA	15,496	17.5	202,358	6.0	69,384	0.0	0	23.5	364,141
Winn Parish	LA	15,245	17.5	271,165	12.0	185,952	17.5	271,165	47.0	716,485
Barnstable	MA	218,446								
Berkshire	MA	13,325								
Bristol	MA	55,157								
Dukes	MA	17,149								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Essex	MA	75,466								
Franklin	MA	71,535								
Hampden	MA	464,189								
Hampshire	MA	158,974								
Middlesex	MA	1,528,276								
Nantucket	MA	1,683	52.5	80,229,905	24.0	36,678,624	17.5	26,743,302	94.0	158,195
Norfolk	MA	676,685								
Plymouth	MA	498,356								
Suffolk	MA	747,241								
Worcester	MA	85,986								
Allegany	MD	7,539	17.5	1,504,669	6.0	515,916	11.7	1,003,113	35.2	265,109
Anne Arundel	MD	54,586								
Baltimore	MD	811,516								
Baltimore city	MD	62,264								
Calvert	MD	89,551								
Caroline	MD	3,265	0.0	0	6.0	537,306	17.5	1,567,053	23.5	76,724
Carroll	MD	16,693								
Cecil	MD	11,475								
Charles	MD	154,949								
Dorchester	MD	32,819	0.0	0	6.0	929,694	17.5	2,711,453	23.5	771,214
Frederick	MD	23,748								
Garrett	MD	3,153	35.0	831,133	18.0	427,464	17.5	415,566	70.5	222,277
Harford	MD	246,252								
Howard	MD	295,958								
Kent	MD	228								
Montgomery	MD	11,552								
Prince George's	MD	874,571								
Queen Anne's	MD	48,413								
Somerset	MD	26,471	0.0	0	6.0	290,478	17.5	847,179	23.5	622,042

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
St. Mary's	MD	1,914								
Talbot	MD	37,925	0.0	0	6.0	11,484	17.5	33,493	23.5	891,200
Washington	MD	148,946	0.0	0	0.0	0	11.7	442,433	11.7	1,737,604
Wicomico	MD	9,981	0.0	0	6.0	893,676	17.5	2,606,406	23.5	234,544
Worcester	MD	49,367	0.0	0	6.0	59,886	17.5	174,658	23.5	1,160,075
Androscoggin	ME	17,255								
Aroostook	ME	71,519								
Cumberland	ME	28,334								
Franklin	ME	3,118								
Hancock	ME	5,478								
Kennebec	ME	122,479								
Knox	ME	4,235								
Lincoln	ME	34,758								
Oxford	ME	58,122								
Penobscot	ME	154,469								
Piscataquis	ME	1,745								
Sagadahoc	ME	35,255								
Somerset	ME	52,128								
Waldo	ME	3,927								
Washington	ME	3,285								
York	ME	198,192	17.5	57,484	6.0	19,710	0.0	0	23.5	4,657,314
Alcona	MI	1,696	70.0	13,872,647	30.0	5,945,760	17.5	3,468,162	117.5	199,272
Alger	MI	9,659								
Allegan	MI	11,119								
Alpena	MI	29,416	70.0	778,286	30.0	333,570	17.5	194,571	117.5	3,456,233
Antrim	MI	23,847	35.0	1,029,501	18.0	529,488	17.5	514,751	70.5	1,681,142
Arenac	MI	15,725								
Baraga	MI	8,921								
Barry	MI	59,117								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Bay	MI	17,123								
Benzie	MI	17,469	70.0	1,198,542	30.0	513,690	17.5	299,635	117.5	2,052,520
Berrien	MI	155,365								
Branch	MI	44,821	35.0	5,437,464	12.0	1,864,380	0.0	0	47.0	2,106,497
Calhoun	MI	13,413								
Cass	MI	51,876								
Charlevoix	MI	26,152								
Cheboygan	MI	25,957	35.0	915,268	18.0	470,736	17.5	457,634	70.5	1,829,891
Chippewa	MI	38,471								
Clare	MI	3,884	70.0	2,692,816	24.0	923,304	0.0	0	94.0	365,080
Clinton	MI	75,836								
Crawford	MI	1,382	52.5	3,981,162	24.0	1,820,064	17.5	1,327,054	94.0	129,902
Delta	MI	3,734								
Dickinson	MI	26,271								
Eaton	MI	17,566								
Emmet	MI	3,335								
Genesee	MI	414,934								
Gladwin	MI	2,584								
Gogebic	MI	16,321								
Grand Traverse	MI	89,824	46.7	761,603	24.0	391,704	17.5	285,601	88.2	7,919,153
Gratiot	MI	42,216								
Hillsdale	MI	46,361	35.0	1,477,476	12.0	506,592	0.0	0	47.0	2,178,874
Houghton	MI	36,595								
Huron	MI	3,273								
Ingham	MI	281,984								
Ionia	MI	63,896								
Iosco	MI	2,564	0.0	0	6.0	383,376	17.5	1,118,116	23.5	60,251
Iron	MI	11,831								
Isabella	MI	7,644	70.0	828,123	24.0	283,944	0.0	0	94.0	718,505

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Jackson	MI	16,483								
Kalamazoo	MI	25,731								
Kalkaska	MI	17,351	46.7	1,200,711	24.0	617,544	17.5	450,267	88.2	1,529,716
Kent	MI	69,263								
Keweenaw	MI	2,184	17.5	1,212,033	6.0	415,578	0.0	0	23.5	51,322
Lake	MI	11,657	70.0	152,871	24.0	52,416	0.0	0	94.0	1,095,711
Lapeer	MI	87,867								
Leelanau	MI	21,965								
Lenawee	MI	99,491								
Livingston	MI	183,415								
Luce	MI	6,712								
Mackinac	MI	11,271								
Macomb	MI	844,496								
Manistee	MI	2,489	70.0	59,111,342	30.0	25,334,880	17.5	14,777,836	117.5	292,445
Marquette	MI	6,854								
Mason	MI	28,825	64.2	439,773	18.0	123,372	0.0	0	82.2	2,368,348
Mecosta	MI	43,616	35.0	1,008,817	12.0	345,900	0.0	0	47.0	2,049,865
Menominee	MI	2,485								
Midland	MI	84,547								
Missaukee	MI	1,498	70.0	5,917,952	30.0	2,536,410	17.5	1,479,488	117.5	176,008
Monroe	MI	15,132								
Montcalm	MI	63,187								
Montmorency	MI	9,651	40.8	2,579,988	18.0	1,137,366	17.5	1,105,709	76.3	736,661
Muskegon	MI	172,265	35.0	337,766	12.0	115,812	0.0	0	47.0	8,096,110
Newaygo	MI	48,568	35.0	6,028,930	12.0	2,067,180	0.0	0	47.0	2,282,599
Oakland	MI	12,838								
Oceana	MI	2,646	29.2	374,420	6.0	77,028	0.0	0	35.2	93,047
Ogemaw	MI	21,662	70.0	185,209	30.0	79,380	17.5	46,302	117.5	2,545,177
Ontonagon	MI	6,635								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Osceola	MI	23,714	70.0	464,423	24.0	159,240	0.0	0	94.0	2,229,021
Oscoda	MI	8,685	70.0	1,659,885	30.0	711,420	17.5	414,971	117.5	1,020,444
Otsego	MI	24,323	35.0	303,958	18.0	156,330	17.5	151,979	70.5	1,714,699
Ottawa	MI	267,815								
Presque Isle	MI	13,133	40.8	10,935,154	18.0	4,820,670	17.5	4,686,495	76.3	1,002,442
Roscommon	MI	2,461	70.0	919,257	30.0	393,990	17.5	229,814	117.5	289,155
Saginaw	MI	198,511								
Sanilac	MI	42,645								
Schoolcraft	MI	8,481								
Shiawassee	MI	69,745								
St. Clair	MI	1,629								
St. Joseph	MI	6,653								
Tuscola	MI	55,481								
Van Buren	MI	75,775								
Washtenaw	MI	348,179								
Wayne	MI	1,768,771								
Wexford	MI	3,273	70.0	123,806,895	30.0	53,063,130	17.5	30,951,724	117.5	384,561
Aitkin	MN	16,356	70.0	229,097	30.0	98,190	17.5	57,274	117.5	1,921,748
Anoka	MN	335,834								
Becker	MN	33,331	17.5	5,876,759	6.0	2,015,004	0.0	0	23.5	783,245
Beltrami	MN	4,576	70.0	2,333,037	30.0	999,930	17.5	583,259	117.5	537,657
Benton	MN	3,872	17.5	80,075	6.0	27,456	0.0	0	23.5	90,988
Big Stone	MN	5,222	17.5	67,756	6.0	23,232	0.0	0	23.5	122,712
Blue Earth	MN	65,215								
Brown	MN	25,766								
Carlton	MN	35,592	64.2	1,653,224	24.0	618,384	0.0	0	88.2	3,137,897
Carver	MN	93,482								
Cass	MN	28,939								
Chippewa	MN	12,235	52.5	1,519,211	18.0	520,902	0.0	0	70.5	862,531

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Chisago	MN	53,926								
Clay	MN	6,817								
Clearwater	MN	887	70.0	477,163	30.0	204,510	17.5	119,291	117.5	104,218
Cook	MN	5,299	70.0	62,086	30.0	26,610	17.5	15,522	117.5	622,606
Cottonwood	MN	11,562								
Crow Wing	MN	63,185								
Dakota	MN	43,112								
Dodge	MN	2,356	35.0	1,508,834	12.0	517,344	0.0	0	47.0	110,727
Douglas	MN	36,454								
Faribault	MN	1,429								
Fillmore	MN	2,669	17.5	25,006	6.0	8,574	17.5	25,006	41.0	109,424
Freeborn	MN	3,866								
Goodhue	MN	46,286								
Grant	MN	62	64.2	2,969,849	30.0	1,388,580	17.5	809,959	111.7	6,923
Hennepin	MN	1,173,894								
Houston	MN	18,877	17.5	20,541,971	6.0	7,043,364	17.5	20,541,971	41.0	773,919
Hubbard	MN	2,378	70.0	1,321,314	24.0	453,048	17.5	330,329	111.5	265,135
Isanti	MN	3,835								
Itasca	MN	45,736	70.0	268,435	30.0	115,050	17.5	67,109	117.5	5,373,751
Jackson	MN	1,243								
Kanabec	MN	167	52.5	65,254	24.0	29,832	17.5	21,751	94.0	15,697
Kandiyohi	MN	42,568	17.5	2,922	6.0	1,002	0.0	0	23.5	1,000,305
Kittson	MN	4,536	70.0	2,979,590	30.0	1,277,040	17.5	744,897	117.5	532,957
Koochiching	MN	13,177	70.0	317,502	30.0	136,080	17.5	79,375	117.5	1,548,232
Lac qui Parle	MN	7,188	17.5	230,584	6.0	79,062	0.0	0	23.5	168,911
Lake	MN	1,827	64.2	461,204	24.0	172,512	0.0	0	88.2	161,074
Lake of the Woods	MN	462	70.0	127,883	30.0	54,810	17.5	31,971	117.5	54,283
Le Sueur	MN	27,772								
Lincoln	MN	5,849								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Lyon	MN	25,762	0.0	0	6.0	35,094	17.5	102,352	23.5	605,381
Mahnomen	MN	5,423	17.5	450,809	6.0	154,572	0.0	0	23.5	127,435
Marshall	MN	955	70.0	379,588	30.0	162,690	17.5	94,897	117.5	112,208
Martin	MN	2,721								
McLeod	MN	365	52.5	142,844	18.0	48,978	0.0	0	70.5	25,731
Meeker	MN	23,267	17.5	6,387	6.0	2,190	0.0	0	23.5	546,751
Mille Lacs	MN	2,625	52.5	1,221,448	18.0	418,806	0.0	0	70.5	185,055
Morrison	MN	3,358								
Mower	MN	38,979	35.0	117,523	18.0	60,444	17.5	58,762	70.5	2,747,903
Murray	MN	8,728								
Nicollet	MN	336								
Nobles	MN	2,139								
Norman	MN	6,764								
Olmsted	MN	14,641	35.0	236,726	12.0	81,168	0.0	0	47.0	688,098
Otter Tail	MN	57,555								
Pennington	MN	145	70.0	4,028,620	30.0	1,726,650	17.5	1,007,155	117.5	17,037
Pine	MN	29,656	64.2	9,304	24.0	3,480	0.0	0	88.2	2,614,562
Pipestone	MN	9,452								
Polk	MN	31,378	70.0	661,602	30.0	283,560	17.5	165,401	117.5	3,686,758
Pope	MN	1,941								
Ramsey	MN	518,341								
Red Lake	MN	414	70.0	36,281,797	30.0	15,550,230	17.5	9,070,449	117.5	48,643
Redwood	MN	1,589	0.0	0	6.0	2,484	17.5	7,245	23.5	37,340
Renville	MN	15,629	35.0	55,612	12.0	19,068	0.0	0	47.0	734,532
Rice	MN	65,193								
Rock	MN	9,557								
Roseau	MN	15,593	70.0	668,952	30.0	286,710	17.5	167,238	117.5	1,832,100
Scott	MN	133,472								
Sherburne	MN	89,533								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Sibley	MN	15,184								
St. Louis	MN	2,311	64.2	974,251	24.0	364,416	0.0	0	88.2	203,745
Stearns	MN	152,176								
Steele	MN	3,655								
Stevens	MN	9,688	46.7	170,557	24.0	87,720	17.5	63,959	88.2	854,123
Swift	MN	9,499	46.7	452,081	18.0	174,384	0.0	0	64.7	614,243
Todd	MN	24,884								
Traverse	MN	3,515	17.5	435,445	12.0	298,608	17.5	435,445	47.0	165,198
Wabasha	MN	2,153	35.0	123,018	12.0	42,180	0.0	0	47.0	101,187
Wadena	MN	13,788	5.8	12,558	6.0	12,918	17.5	37,675	29.3	404,430
Waseca	MN	19,185								
Washington	MN	243,113								
Watonwan	MN	11,152								
Wilkin	MN	6,678	17.5	195,149	6.0	66,912	0.0	0	23.5	156,926
Winona	MN	51,658	17.5	116,858	6.0	40,068	17.5	116,858	41.0	2,117,875
Wright	MN	126,369								
Yellow Medicine	MN	1,355	17.5	2,211,331	6.0	758,214	0.0	0	23.5	31,841
Adair	MO	25,347								
Andrew	MO	17,162								
Atchison	MO	5,556	70.0	1,201,271	30.0	514,860	17.5	300,318	117.5	652,802
Audrain	MO	25,587								
Barry	MO	35,116								
Barton	MO	1,238								
Bates	MO	1,771	0.0	0	6.0	7,428	17.5	21,664	23.5	41,617
Benton	MO	1,938								
Bollinger	MO	12,633								
Boone	MO	16,715								
Buchanan	MO	89,172								
Butler	MO	4,317								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Caldwell	MO	923								
Callaway	MO	44,425								
Camden	MO	44,283	70.0	3,109,572	30.0	1,332,750	17.5	777,393	117.5	5,203,031
Cape Girardeau	MO	77,284								
Carroll	MO	921								
Carter	MO	6,373	70.0	64,466	30.0	27,630	17.5	16,117	117.5	748,796
Cass	MO	1,626								
Cedar	MO	1,397	17.5	28,453	12.0	19,512	17.5	28,453	47.0	65,656
Chariton	MO	7,723	40.8	57,041	18.0	25,146	0.0	0	58.8	454,352
Christian	MO	79,583								
Clark	MO	731								
Clay	MO	226,749								
Clinton	MO	2,655								
Cole	MO	76,317	40.8	108,406	18.0	47,790	0.0	0	58.8	4,489,805
Cooper	MO	17,632								
Crawford	MO	2,564	70.0	1,234,169	30.0	528,960	17.5	308,542	117.5	301,257
Dade	MO	7,852								
Dallas	MO	16,589								
Daviess	MO	8,531								
DeKalb	MO	12,646								
Dent	MO	15,738	70.0	885,169	30.0	379,380	17.5	221,292	117.5	1,849,136
Douglas	MO	13,485								
Dunklin	MO	3,299								
Franklin	MO	11,658								
Gasconade	MO	15,282								
Gentry	MO	6,839								
Greene	MO	27,784								
Grundy	MO	183								
Harrison	MO	8,842								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Henry	MO	22,237								
Hickory	MO	9,464	70.0	1,556,501	30.0	667,110	17.5	389,125	117.5	1,111,973
Holt	MO	4,733								
Howard	MO	1,151								
Howell	MO	4,394	70.0	80,565	30.0	34,530	17.5	20,141	117.5	516,273
Iron	MO	171	70.0	307,562	30.0	131,820	17.5	76,891	117.5	20,092
Jackson	MO	679,211								
Jasper	MO	117,955								
Jefferson	MO	22,354								
Johnson	MO	54,233								
Knox	MO	496	0.0	0	6.0	325,398	0.0	0	6.0	2,976
Laclede	MO	35,878								
Lafayette	MO	33,132								
Lawrence	MO	38,884								
Lewis	MO	1,212								
Lincoln	MO	52,931								
Linn	MO	1,251								
Livingston	MO	15,163								
Macon	MO	15,422								
Madison	MO	12,181	70.0	1,079,478	30.0	462,660	17.5	269,870	117.5	1,431,207
Maries	MO	921	70.0	852,621	30.0	365,430	17.5	213,155	117.5	108,213
Marion	MO	28,653								
McDonald	MO	2,333								
Mercer	MO	3,744	52.5	122,476	18.0	41,994	0.0	0	70.5	263,941
Miller	MO	24,833	52.5	196,549	18.0	67,392	0.0	0	70.5	1,750,652
Mississippi	MO	14,818								
Moniteau	MO	15,863	40.8	605,034	18.0	266,724	0.0	0	58.8	933,236
Monroe	MO	8,618								
Montgomery	MO	12,251								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHx/Pops)	New MBS License (MHz)	New MBS License (MHx/Pops)	New UBS License (MHz)	New UBS License (MHx/Pops)	Total MHz In County	Total MHz/Pops In County
Morgan	MO	2,681								
New Madrid	MO	18,748								
Newton	MO	57,948								
Nodaway	MO	2,444								
Oregon	MO	1,156	70.0	171,070	30.0	73,320	17.5	42,768	117.5	135,824
Osage	MO	13,967								
Ozark	MO	9,579	70.0	977,634	24.0	335,208	0.0	0	94.0	900,388
Pemiscot	MO	17,892								
Perry	MO	1,976	70.0	1,252,368	30.0	536,760	17.5	313,092	117.5	232,170
Pettis	MO	4,217								
Phelps	MO	45,364	70.0	295,173	30.0	126,510	17.5	73,793	117.5	5,330,043
Pike	MO	18,361								
Platte	MO	9,146								
Polk	MO	394								
Pulaski	MO	54,438	70.0	27,578	30.0	11,820	17.5	6,895	117.5	6,396,193
Putnam	MO	4,918								
Ralls	MO	121								
Randolph	MO	25,244								
Ray	MO	2,313								
Reynolds	MO	657	70.0	161,901	30.0	69,390	17.5	40,475	117.5	77,194
Ripley	MO	14,166								
Saline	MO	23,184								
Schuyler	MO	433								
Scotland	MO	48								
Scott	MO	39,489								
Shannon	MO	8,496	70.0	2,764,072	30.0	1,184,670	17.5	691,018	117.5	998,238
Shelby	MO	6,352	0.0	0	6.0	50,976	0.0	0	6.0	38,112
St. Charles	MO	369,871								
St. Clair	MO	9,621	52.5	19,417,118	24.0	8,876,904	17.5	6,472,373	94.0	904,336

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
St. Francois	MO	66,476								
St. Louis	MO	99,623								
St. Louis city	MO	318,329								
Ste. Genevieve	MO	18,171								
Stoddard	MO	29,765								
Stone	MO	32,581								
Sullivan	MO	672								
Taney	MO	53,115								
Texas	MO	26,414	70.0	3,717,838	30.0	1,593,450	17.5	929,459	117.5	3,103,513
Vernon	MO	2,936	35.0	924,437	18.0	475,452	17.5	462,219	70.5	206,979
Warren	MO	32,588								
Washington	MO	2,583								
Wayne	MO	13,629	70.0	180,800	30.0	77,490	17.5	45,200	117.5	1,601,339
Webster	MO	36,284								
Worth	MO	2,139	70.0	2,539,735	30.0	1,088,520	17.5	634,934	117.5	251,322
Wright	MO	18,671								
Northern Islands	MP	6	70.0	1,306,895	30.0	560,130	17.5	326,724	117.5	705
Rota	MP	3,283	70.0	420	30.0	180	17.5	105	117.5	385,736
Saipan	MP	62,392	70.0	229,797	30.0	98,490	17.5	57,449	117.5	7,330,748
Tinian	MP	354	70.0	4,367,190	30.0	1,871,760	17.5	1,091,798	117.5	41,593
Adams	MS	32,546								
Alcorn	MS	37,264								
Amite	MS	12,925								
Attala	MS	19,392								
Benton	MS	8,691								
Bolivar	MS	33,794								
Calhoun	MS	1,484								
Carroll	MS	1,692								
Chickasaw	MS	17,183								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHx/Pops)	New MBS License (MHz)	New MBS License (MHx/Pops)	New UBS License (MHz)	New UBS License (MHx/Pops)	Total MHz In County	Total MHz/Pops In County
Choctaw	MS	8,481								
Claiborne	MS	9,435								
Clarke	MS	16,815								
Clay	MS	2,353								
Coahoma	MS	25,886	70.0	164,701	30.0	70,590	17.5	41,175	117.5	3,041,476
Copiah	MS	29,361								
Covington	MS	19,599								
DeSoto	MS	16,557								
Forrest	MS	74,892								
Franklin	MS	829								
George	MS	2,372								
Greene	MS	14,473								
Grenada	MS	21,491								
Hancock	MS	4,641								
Harrison	MS	19,515								
Hinds	MS	247,158								
Holmes	MS	199								
Humphreys	MS	9,213								
Issaquena	MS	1,375								
Itawamba	MS	23,545								
Jackson	MS	14,143								
Jasper	MS	16,877								
Jefferson	MS	782								
Jefferson Davis	MS	12,354								
Jones	MS	67,758								
Kemper	MS	1,444								
Lafayette	MS	49,333								
Lamar	MS	5,875								
Lauderdale	MS	8,129								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Lawrence	MS	12,877								
Leake	MS	2,413								
Lee	MS	84,378								
Leflore	MS	3,223								
Lincoln	MS	34,955								
Lowndes	MS	59,377								
Madison	MS	98,786								
Marion	MS	26,892								
Marshall	MS	36,666								
Monroe	MS	36,532								
Montgomery	MS	1,817								
Neshoba	MS	29,751								
Newton	MS	21,652								
Noxubee	MS	1,156								
Oktibbeha	MS	4,873								
Panola	MS	34,471								
Pearl River	MS	55,787								
Perry	MS	12,243								
Pike	MS	4,616								
Pontotoc	MS	331								
Prentiss	MS	2,547								
Quitman	MS	829								
Rankin	MS	144,766								
Scott	MS	28,479								
Sharkey	MS	4,896								
Simpson	MS	2,747								
Smith	MS	165								
Stone	MS	18,126								
Sunflower	MS	29,227								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Tallahatchie	MS	15,428								
Tate	MS	28,814								
Tippah	MS	22,195								
Tishomingo	MS	196								
Tunica	MS	1,458								
Union	MS	27,349								
Walthall	MS	15,378								
Warren	MS	4,865								
Washington	MS	49,986								
Wayne	MS	263								
Webster	MS	1,231								
Wilkinson	MS	9,917								
Winston	MS	18,939								
Yalobusha	MS	1,266								
Yazoo	MS	2,869								
Beaverhead	MT	9,156	70.0	200,819	30.0	86,070	17.5	50,205	117.5	1,075,784
Big Horn	MT	13,161								
Blaine	MT	6,754	70.0	921,217	30.0	394,830	17.5	230,304	117.5	793,561
Broadwater	MT	5,829	17.5	118,188	12.0	81,048	17.5	118,188	47.0	273,951
Carbon	MT	149	0.0	0	6.0	34,974	17.5	102,002	23.5	3,501
Carter	MT	1,138	70.0	10,429	30.0	4,470	17.5	2,607	117.5	133,709
Cascade	MT	8,247	17.5	19,914	6.0	6,828	0.0	0	23.5	193,796
Chouteau	MT	5,844	17.5	144,314	6.0	49,482	0.0	0	23.5	137,328
Custer	MT	11,892	70.0	409,057	30.0	175,320	17.5	102,264	117.5	1,397,251
Daniels	MT	1,793	70.0	832,392	30.0	356,760	17.5	208,098	117.5	210,669
Dawson	MT	916	70.0	125,503	30.0	53,790	17.5	31,376	117.5	107,625
Deer Lodge	MT	9,636	70.0	64,116	30.0	27,480	17.5	16,029	117.5	1,132,182
Fallon	MT	35	70.0	674,481	30.0	289,080	17.5	168,620	117.5	4,112
Fergus	MT	11,728	70.0	2,450	30.0	1,050	17.5	612	117.5	1,377,981

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Flathead	MT	92,387	70.0	820,913	30.0	351,840	17.5	205,228	117.5	10,855,011
Gallatin	MT	9,391	17.5	1,616,680	12.0	1,108,644	17.5	1,616,680	47.0	441,358
Garfield	MT	1,198	70.0	657,332	30.0	281,730	17.5	164,333	117.5	140,759
Glacier	MT	1,382	70.0	83,855	30.0	35,940	17.5	20,964	117.5	162,378
Golden Valley	MT	872	0.0	0	6.0	8,292	17.5	24,184	23.5	20,491
Granite	MT	3,117	17.5	15,259	6.0	5,232	0.0	0	23.5	73,246
Hill	MT	16,565	70.0	218,178	30.0	93,510	17.5	54,544	117.5	1,946,305
Jefferson	MT	11,425	70.0	1,159,484	30.0	496,950	17.5	289,871	117.5	1,342,380
Judith Basin	MT	2,149	17.5	199,926	6.0	68,550	0.0	0	23.5	50,499
Lake	MT	29,374	17.5	37,605	6.0	12,894	0.0	0	23.5	690,260
Lewis and Clark	MT	65,349	70.0	2,056,063	30.0	881,220	17.5	514,016	117.5	7,678,181
Liberty	MT	2,399	70.0	4,574,169	30.0	1,960,470	17.5	1,143,542	117.5	281,871
Lincoln	MT	19,931	70.0	167,920	30.0	71,970	17.5	41,980	117.5	2,341,793
Madison	MT	7,922	17.5	348,773	12.0	239,172	17.5	348,773	47.0	372,318
McCone	MT	1,715	70.0	554,508	30.0	237,660	17.5	138,627	117.5	201,504
Meagher	MT	193	17.5	30,011	6.0	10,290	0.0	0	23.5	4,535
Mineral	MT	4,255	17.5	3,377	6.0	1,158	0.0	0	23.5	99,988
Missoula	MT	111,652	17.5	74,458	6.0	25,530	0.0	0	23.5	2,623,710
Musselshell	MT	457	0.0	0	6.0	669,912	17.5	1,953,798	23.5	10,739
Park	MT	1,573	17.5	7,997	12.0	5,484	17.5	7,997	47.0	73,928
Petroleum	MT	522	70.0	110,104	30.0	47,190	17.5	27,526	117.5	61,332
Phillips	MT	4,255	70.0	36,538	30.0	15,660	17.5	9,134	117.5	499,941
Pondera	MT	6,185	17.5	74,458	6.0	25,530	0.0	0	23.5	145,341
Powder River	MT	1,831	70.0	432,925	30.0	185,550	17.5	108,231	117.5	215,133
Powell	MT	711	17.5	32,041	6.0	10,986	0.0	0	23.5	16,708
Prairie	MT	1,153	70.0	49,767	30.0	21,330	17.5	12,442	117.5	135,472
Ravalli	MT	4,917	17.5	20,176	6.0	6,918	0.0	0	23.5	115,545
Richland	MT	1,668	52.5	258,128	18.0	88,506	0.0	0	70.5	117,589
Roosevelt	MT	1,834	52.5	87,565	18.0	30,024	0.0	0	70.5	129,291

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Rosebud	MT	9,345	70.0	128,373	30.0	55,020	17.5	32,093	117.5	1,097,991
Sanders	MT	1,186	17.5	163,528	6.0	56,070	0.0	0	23.5	27,870
Sheridan	MT	358	52.5	62,261	18.0	21,348	0.0	0	70.5	25,238
Silver Bow	MT	34,698	70.0	25,059	30.0	10,740	17.5	6,265	117.5	4,076,842
Stillwater	MT	9,426	0.0	0	6.0	208,188	17.5	607,180	23.5	221,502
Sweet Grass	MT	3,786	17.5	164,946	12.0	113,112	17.5	164,946	47.0	177,934
Teton	MT	6,218	17.5	66,251	6.0	22,716	0.0	0	23.5	146,117
Toole	MT	5,411	70.0	435,235	30.0	186,540	17.5	108,809	117.5	635,765
Treasure	MT	719	70.0	378,748	30.0	162,330	17.5	94,687	117.5	84,479
Valley	MT	757	70.0	50,327	30.0	21,570	17.5	12,582	117.5	88,944
Wheatland	MT	2,185	70.0	52,987	30.0	22,710	17.5	13,247	117.5	256,727
Wibaux	MT	19	70.0	152,941	30.0	65,550	17.5	38,235	117.5	2,232
Yellowstone	MT	152,161	0.0	0	6.0	114	17.5	332	23.5	3,575,631
Alamance	NC	154,616								
Alexander	NC	37,437								
Alleghany	NC	11,141	70.0	2,620,440	30.0	1,123,110	17.5	655,110	117.5	1,309,012
Anson	NC	2,727								
Ashe	NC	27,278	35.0	95,440	18.0	49,086	17.5	47,720	70.5	1,923,017
Avery	NC	17,973								
Beaufort	NC	47,837								
Bertie	NC	21,238								
Bladen	NC	35,135								
Brunswick	NC	111,398								
Buncombe	NC	243,945								
Burke	NC	91,358								
Cabarrus	NC	18,237								
Caldwell	NC	82,313								
Camden	NC	9,864								
Carteret	NC	67,758	0.0	0	6.0	59,184	17.5	172,610	23.5	1,592,245

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Caswell	NC	23,431								
Catawba	NC	15,459								
Chatham	NC	65,194								
Cherokee	NC	27,571	70.0	4,563,319	30.0	1,955,820	17.5	1,140,830	117.5	3,239,455
Chowan	NC	14,742								
Clay	NC	1,698	70.0	1,031,881	30.0	442,260	17.5	257,970	117.5	199,507
Cleveland	NC	97,759								
Columbus	NC	58,185								
Craven	NC	15,247								
Cumberland	NC	32,575								
Currituck	NC	2,396								
Dare	NC	34,272	35.0	83,855	18.0	43,128	17.5	41,928	70.5	2,416,073
Davidson	NC	162,685								
Davie	NC	41,378								
Duplin	NC	59,879	0.0	0	6.0	248,268	17.5	724,074	23.5	1,407,097
Durham	NC	277,329								
Edgecombe	NC	56,347								
Forsyth	NC	35,638								
Franklin	NC	61,238								
Gaston	NC	27,822								
Gates	NC	12,224								
Graham	NC	8,942	70.0	855,631	30.0	366,720	17.5	213,908	117.5	1,050,640
Granville	NC	6,733								
Greene	NC	21,514								
Guilford	NC	499,299								
Halifax	NC	53,913								
Harnett	NC	12,337								
Haywood	NC	59,422								
Henderson	NC	1,827								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Hertford	NC	24,697								
Hoke	NC	5,929								
Hyde	NC	5,826	35.0	207,503	18.0	106,722	17.5	103,752	70.5	410,716
Iredell	NC	161,638								
Jackson	NC	4,891								
Johnston	NC	174,264								
Jones	NC	1,271								
Lee	NC	59,116								
Lenoir	NC	5,931								
Lincoln	NC	7,844								
Macon	NC	35,442	70.0	549,049	30.0	235,320	17.5	137,262	117.5	4,164,258
Madison	NC	2,976								
Martin	NC	24,149								
McDowell	NC	45,811								
Mecklenburg	NC	96,953								
Mitchell	NC	15,447								
Montgomery	NC	27,759								
Moore	NC	9,474								
Nash	NC	9,553								
New Hanover	NC	2,996								
Northampton	NC	21,729								
Onslow	NC	181,286	0.0	0	6.0	130,374	17.5	380,236	23.5	4,260,040
Orange	NC	136,296								
Pamlico	NC	13,227								
Pasquotank	NC	4,837								
Pender	NC	53,998								
Perquimans	NC	13,524								
Person	NC	39,479								
Pitt	NC	172,556								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Polk	NC	248								
Randolph	NC	141,664								
Richmond	NC	46,358								
Robeson	NC	13,682								
Rockingham	NC	935								
Rowan	NC	13,846								
Rutherford	NC	67,488								
Sampson	NC	63,732								
Scotland	NC	36,268								
Stanly	NC	6,863								
Stokes	NC	47,381								
Surry	NC	7,361	17.5	829,120	18.0	852,858	17.5	829,120	53.0	390,118
Swain	NC	14,154								
Transylvania	NC	32,961								
Tyrrell	NC	4,469	35.0	1,153,569	18.0	593,298	17.5	576,785	70.5	315,051
Union	NC	26,792								
Vance	NC	4,514								
Wake	NC	95,583								
Warren	NC	2,996								
Washington	NC	12,999								
Watauga	NC	51,845								
Wayne	NC	122,917								
Wilkes	NC	69,245								
Wilson	NC	81,566								
Yadkin	NC	38,372								
Yancey	NC	17,772								
Adams	ND	231	70.0	1,243,969	30.0	533,160	17.5	310,992	117.5	27,141
Barnes	ND	1,985								
Benson	ND	6,794	35.0	69,471	18.0	35,730	17.5	34,736	70.5	478,957

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Billings	ND	867	70.0	475,553	30.0	203,820	17.5	118,888	117.5	101,868
Bottineau	ND	6,689	70.0	60,687	30.0	26,010	17.5	15,172	117.5	785,924
Bowman	ND	3,226	70.0	468,203	30.0	200,670	17.5	117,051	117.5	379,039
Burke	ND	2,192	52.5	169,355	18.0	58,068	0.0	0	70.5	154,529
Burleigh	ND	85,941	35.0	76,716	18.0	39,456	17.5	38,358	70.5	6,058,583
Cass	ND	15,651								
Cavalier	ND	45	17.5	273,877	6.0	93,906	0.0	0	23.5	1,057
Dickey	ND	5,375								
Divide	ND	2,189	52.5	282,171	18.0	96,750	0.0	0	70.5	154,318
Dunn	ND	4,168	70.0	153,221	30.0	65,670	17.5	38,305	117.5	489,719
Eddy	ND	2,392	70.0	291,743	30.0	125,040	17.5	72,936	117.5	281,048
Emmons	ND	3,584	35.0	83,715	18.0	43,056	17.5	41,858	70.5	252,661
Foster	ND	3,461	70.0	250,866	24.0	86,016	17.5	62,716	111.5	385,884
Golden Valley	ND	1,821	70.0	242,256	30.0	103,830	17.5	60,564	117.5	213,958
Grand Forks	ND	67,131	70.0	127,463	30.0	54,630	17.5	31,866	117.5	7,887,557
Grant	ND	2,411	70.0	4,698,901	30.0	2,013,930	17.5	1,174,725	117.5	283,280
Griggs	ND	2,392	70.0	168,760	24.0	57,864	17.5	42,190	111.5	266,696
Hettinger	ND	266	70.0	167,430	30.0	71,760	17.5	41,858	117.5	31,254
Kidder	ND	2,474	35.0	9,309	18.0	4,788	17.5	4,655	70.5	174,410
LaMoure	ND	4,144	70.0	173,170	24.0	59,376	17.5	43,293	111.5	462,035
Logan	ND	2	70.0	290,063	24.0	99,456	17.5	72,516	111.5	223
McHenry	ND	5,816	70.0	140	30.0	60	17.5	35	117.5	683,351
McIntosh	ND	2,754	70.0	407,097	30.0	174,480	17.5	101,774	117.5	323,581
McKenzie	ND	7,992	52.5	144,577	18.0	49,572	0.0	0	70.5	563,412
McLean	ND	922	35.0	279,704	18.0	143,856	17.5	139,852	70.5	64,998
Mercer	ND	8,641	35.0	32,268	18.0	16,596	17.5	16,134	70.5	609,165
Morton	ND	286	35.0	302,418	18.0	155,538	17.5	151,209	70.5	20,162
Mountrail	ND	9,563	52.5	15,014	18.0	5,148	0.0	0	70.5	674,163
Nelson	ND	375	70.0	669,372	30.0	286,890	17.5	167,343	117.5	44,061

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Oliver	ND	1,874	35.0	13,124	18.0	6,750	17.5	6,562	70.5	132,111
Pembina	ND	7,349	52.5	98,379	18.0	33,732	0.0	0	70.5	518,082
Pierce	ND	4,528	35.0	257,200	18.0	132,282	17.5	128,600	70.5	319,210
Ramsey	ND	1,167	17.5	79,235	6.0	27,168	0.0	0	23.5	27,423
Ransom	ND	5,513	17.5	20,421	6.0	7,002	0.0	0	23.5	129,550
Renville	ND	2,557	52.5	289,416	18.0	99,234	0.0	0	70.5	180,261
Richland	ND	16,135								
Rolette	ND	14,486	35.0	564,693	18.0	290,430	17.5	282,346	70.5	1,021,220
Sargent	ND	3,841	17.5	253,491	12.0	173,832	17.5	253,491	47.0	180,519
Sheridan	ND	1,314	35.0	134,427	18.0	69,138	17.5	67,214	70.5	92,633
Sioux	ND	4,278	70.0	91,975	30.0	39,420	17.5	22,994	117.5	502,644
Slope	ND	768	70.0	299,443	30.0	128,340	17.5	74,861	117.5	90,236
Stark	ND	26,917	70.0	53,757	30.0	23,040	17.5	13,439	117.5	3,162,613
Steele	ND	1,973								
Stutsman	ND	21,285	70.0	138,102	24.0	47,352	17.5	34,526	111.5	2,373,171
Towner	ND	2,317	35.0	744,932	18.0	383,130	17.5	372,466	70.5	163,342
Traill	ND	8,189								
Walsh	ND	11,175	52.5	429,898	18.0	147,402	0.0	0	70.5	787,804
Ward	ND	67,975	52.5	586,654	18.0	201,150	0.0	0	70.5	4,792,034
Wells	ND	4,317	70.0	4,757,978	30.0	2,039,250	17.5	1,189,495	117.5	507,226
Williams	ND	27,551	52.5	226,630	18.0	77,706	0.0	0	70.5	1,942,263
Adams	NE	31,255								
Antelope	NE	6,616	70.0	2,187,725	30.0	937,650	17.5	546,931	117.5	777,347
Arthur	NE	493	70.0	463,094	30.0	198,480	17.5	115,773	117.5	57,925
Banner	NE	683	35.0	17,254	18.0	8,874	17.5	8,627	70.5	48,149
Blaine	NE	473	70.0	47,807	30.0	20,490	17.5	11,952	117.5	55,575
Boone	NE	5,427	17.5	8,277	6.0	2,838	0.0	0	23.5	127,529
Box Butte	NE	1,147	35.0	189,934	18.0	97,686	17.5	94,967	70.5	80,860
Boyd	NE	286	70.0	80,285	30.0	34,410	17.5	20,071	117.5	33,604

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Brown	NE	349	70.0	20,019	30.0	8,580	17.5	5,005	117.5	41,006
Buffalo	NE	46,947								
Burt	NE	6,819	52.5	2,464,577	18.0	845,046	0.0	0	70.5	480,719
Butler	NE	8,349								
Cass	NE	25,114								
Cedar	NE	8,856								
Chase	NE	47	70.0	619,885	30.0	265,680	17.5	154,971	117.5	5,522
Cherry	NE	5,873	70.0	3,290	30.0	1,410	17.5	822	117.5	690,048
Cheyenne	NE	9,967	35.0	205,543	18.0	105,714	17.5	102,772	70.5	702,644
Clay	NE	6,478								
Colfax	NE	1,514	17.5	113,359	6.0	38,868	0.0	0	23.5	35,577
Cuming	NE	965	70.0	105,974	24.0	36,336	0.0	0	94.0	90,706
Custer	NE	1,835								
Dakota	NE	2,922	52.5	96,332	18.0	33,030	0.0	0	70.5	205,992
Dawes	NE	928	70.0	204,528	30.0	87,660	17.5	51,132	117.5	109,035
Dawson	NE	24,176								
Deuel	NE	1,987	35.0	846,112	18.0	435,168	17.5	423,056	70.5	140,078
Dixon	NE	5,983	52.5	104,312	18.0	35,766	0.0	0	70.5	421,784
Dodge	NE	36,469	17.5	104,697	6.0	35,898	0.0	0	23.5	856,985
Douglas	NE	528,844	17.5	638,171	6.0	218,814	0.0	0	23.5	12,427,305
Dundy	NE	194	70.0	37,016,965	30.0	15,865,320	17.5	9,254,241	117.5	22,794
Fillmore	NE	5,871								
Franklin	NE	3,162								
Frontier	NE	2,684								
Furnas	NE	4,936								
Gage	NE	22,221								
Garden	NE	286	70.0	1,555,381	30.0	666,630	17.5	388,845	117.5	33,604
Garfield	NE	22	70.0	20,019	30.0	8,580	17.5	5,005	117.5	2,585
Gosper	NE	224								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Grant	NE	69	70.0	15,679	30.0	6,720	17.5	3,920	117.5	8,107
Greeley	NE	2,539	70.0	4,830	30.0	2,070	17.5	1,207	117.5	298,320
Hall	NE	5,968								
Hamilton	NE	984								
Harlan	NE	3,438								
Hayes	NE	134	70.0	240,646	30.0	103,140	17.5	60,162	117.5	15,744
Hitchcock	NE	2,958	70.0	9,379	30.0	4,020	17.5	2,345	117.5	347,550
Holt	NE	1,396	70.0	207,048	30.0	88,740	17.5	51,762	117.5	164,023
Hooker	NE	768	70.0	97,714	30.0	41,880	17.5	24,429	117.5	90,236
Howard	NE	6,257								
Jefferson	NE	7,444								
Johnson	NE	531	17.5	130,263	6.0	44,664	0.0	0	23.5	12,478
Kearney	NE	6,563								
Keith	NE	8,242	70.0	459,384	30.0	196,890	17.5	114,846	117.5	968,394
Keya Paha	NE	814	70.0	576,907	30.0	247,260	17.5	144,227	117.5	95,641
Kimball	NE	3,769	35.0	28,488	18.0	14,652	17.5	14,244	70.5	265,703
Knox	NE	8,657	17.5	65,954	12.0	45,228	17.5	65,954	47.0	406,862
Lancaster	NE	29,293								
Lincoln	NE	36,259	70.0	2,050,393	30.0	878,790	17.5	512,598	117.5	4,260,251
Logan	NE	762	70.0	2,537,985	30.0	1,087,770	17.5	634,496	117.5	89,531
Loup	NE	631	70.0	53,337	30.0	22,860	17.5	13,334	117.5	74,139
Madison	NE	34,832	17.5	11,042	6.0	3,786	0.0	0	23.5	818,517
McPherson	NE	528	70.0	2,438,101	30.0	1,044,960	17.5	609,525	117.5	62,037
Merrick	NE	7,831								
Morrill	NE	56	35.0	274,069	18.0	140,958	17.5	137,035	70.5	3,948
Nance	NE	3,741	17.5	980	6.0	336	0.0	0	23.5	87,910
Nemaha	NE	725	23.3	87,285	6.0	22,446	0.0	0	29.3	21,266
Nuckolls	NE	445								
Otoe	NE	15,936								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Pawnee	NE	275	23.3	371,819	6.0	95,616	0.0	0	29.3	8,066
Perkins	NE	3	70.0	19,249	30.0	8,250	17.5	4,812	117.5	352
Phelps	NE	988								
Pierce	NE	722	70.0	69,156	30.0	29,640	17.5	17,289	117.5	84,831
Platte	NE	32,724	17.5	12,634	6.0	4,332	0.0	0	23.5	768,981
Polk	NE	5,335	17.5	572,637	6.0	196,344	0.0	0	23.5	125,367
Red Willow	NE	1,139	70.0	373,429	30.0	160,050	17.5	93,357	117.5	133,827
Richardson	NE	8,343								
Rock	NE	157	70.0	583,977	30.0	250,290	17.5	145,994	117.5	18,447
Saline	NE	14,518								
Sarpy	NE	16,415								
Saunders	NE	2,921								
Scotts Bluff	NE	3,696	35.0	102,229	18.0	52,578	17.5	51,115	70.5	260,557
Seward	NE	16,777								
Sheridan	NE	5,464	70.0	1,174,323	30.0	503,310	17.5	293,581	117.5	641,993
Sherman	NE	362								
Sioux	NE	135	35.0	12,669	18.0	6,516	17.5	6,335	70.5	9,517
Stanton	NE	612	70.0	9,449	30.0	4,050	17.5	2,362	117.5	71,907
Thayer	NE	5,189	70.0	42,838	30.0	18,360	17.5	10,709	117.5	609,682
Thomas	NE	646	70.0	363,209	30.0	155,670	17.5	90,802	117.5	75,902
Thurston	NE	697	52.5	33,913	18.0	11,628	0.0	0	70.5	49,136
Valley	NE	4,221	70.0	48,787	30.0	20,910	17.5	12,197	117.5	495,946
Washington	NE	2,231	17.5	73,863	6.0	25,326	0.0	0	23.5	52,426
Wayne	NE	9,536	52.5	117,121	18.0	40,158	0.0	0	70.5	672,259
Webster	NE	3,791								
Wheeler	NE	826	70.0	265,355	30.0	113,730	17.5	66,339	117.5	97,051
York	NE	13,776								
Belknap	NH	6,674	35.0	482,132	12.0	165,312	0.0	0	47.0	313,665
Carroll	NH	47,976	17.5	116,788	6.0	40,044	0.0	0	23.5	1,127,388

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Cheshire	NH	77,966								
Coos	NH	32,775	17.5	1,364,327	6.0	467,796	0.0	0	23.5	770,180
Grafton	NH	993								
Hillsborough	NH	41,733								
Merrimack	NH	148,276								
Rockingham	NH	297,571								
Strafford	NH	12,561	17.5	5,207,195	6.0	1,785,426	0.0	0	23.5	295,171
Sullivan	NH	4,376								
Atlantic	NJ	27,213								
Bergen	NJ	91,732								
Burlington	NJ	44,825								
Camden	NJ	51,599								
Cape May	NJ	95,554	0.0	0	6.0	309,594	17.5	902,931	23.5	2,245,423
Cumberland	NJ	156,193								
Essex	NJ	784,196								
Gloucester	NJ	289,159								
Hudson	NJ	645,398								
Hunterdon	NJ	128,864								
Mercer	NJ	365,385								
Middlesex	NJ	815,437								
Monmouth	NJ	6,398								
Morris	NJ	494,542								
Ocean	NJ	576,561								
Passaic	NJ	52,265								
Salem	NJ	65,368								
Somerset	NJ	325,218								
Sussex	NJ	149,311	35.0	11,381,980	12.0	3,902,616	0.0	0	47.0	7,017,318
Union	NJ	53,928								
Warren	NJ	1,827	35.0	1,887,372	12.0	647,136	0.0	0	47.0	85,865

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Bernalillo	NM	671,844								
Catron	NM	3,719	70.0	47,026,393	30.0	20,155,320	17.5	11,756,598	117.5	436,964
Chaves	NM	65,634								
Cibola	NM	27,336	70.0	4,594,117	30.0	1,969,020	17.5	1,148,529	117.5	3,211,843
Colfax	NM	13,524	70.0	1,913,411	30.0	820,080	17.5	478,353	117.5	1,589,002
Curry	NM	535								
DeBaca	NM	1,853	35.0	18,724	18.0	9,630	17.5	9,362	70.5	130,631
Dona Ana	NM	214,491								
Eddy	NM	54,892								
Grant	NM	29,441	70.0	3,842,220	30.0	1,646,760	17.5	960,555	117.5	3,459,170
Guadalupe	NM	462								
Harding	NM	721								
Hidalgo	NM	483	70.0	50,467	30.0	21,630	17.5	12,617	117.5	56,750
Lea	NM	66,249								
Lincoln	NM	231								
Los Alamos	NM	18,259	0.0	0	6.0	1,386	17.5	4,042	23.5	429,068
Luna	NM	25,389	70.0	1,278,057	30.0	547,770	17.5	319,514	117.5	2,983,081
McKinley	NM	74,664	70.0	1,777,128	30.0	761,670	17.5	444,282	117.5	8,772,647
Mora	NM	4,914	0.0	0	6.0	447,984	17.5	1,306,545	23.5	115,474
Otero	NM	66,194								
Quay	NM	997								
Rio Arriba	NM	4,644	0.0	0	6.0	5,982	17.5	17,447	23.5	109,129
Roosevelt	NM	2,919								
San Juan	NM	174,965	35.0	102,159	18.0	52,542	17.5	51,080	70.5	12,334,508
San Miguel	NM	29,523								
Sandoval	NM	136,318								
Santa Fe	NM	145,963								
Sierra	NM	11,711	52.5	7,662,620	24.0	3,503,112	17.5	2,554,207	94.0	1,100,787
Socorro	NM	1,775	52.5	614,792	24.0	281,064	17.5	204,931	94.0	166,843

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Taos	NM	33,113	0.0	0	6.0	10,650	17.5	31,061	23.5	778,122
Torrance	NM	16,357								
Union	NM	465	70.0	1,144,925	30.0	490,710	17.5	286,231	117.5	54,635
Valencia	NM	77,695								
Carson City	NV	5,697								
Churchill	NV	2,436	5.8	33,231	0.0	0	0.0	0	5.8	14,209
Clark	NV	23,545								
Douglas	NV	4,695								
Elko	NV	5,413	70.0	328,631	30.0	140,850	17.5	82,158	117.5	636,000
Esmeralda	NV	772	70.0	378,888	30.0	162,390	17.5	94,722	117.5	90,706
Eureka	NV	198	70.0	54,037	30.0	23,160	17.5	13,509	117.5	23,264
Humboldt	NV	17,288	70.0	13,859	30.0	5,940	17.5	3,465	117.5	2,031,254
Lander	NV	611	70.0	1,210,091	30.0	518,640	17.5	302,523	117.5	71,789
Lincoln	NV	5,373								
Lyon	NV	51,434								
Mineral	NV	4,611	70.0	3,600,174	30.0	1,543,020	17.5	900,044	117.5	541,769
Nye	NV	4,382	52.5	242,064	24.0	110,664	17.5	80,688	94.0	411,890
Pershing	NV	6,981	70.0	306,722	30.0	131,460	17.5	76,681	117.5	820,233
Storey	NV	3,876								
Washoe	NV	43,554								
White Pine	NV	159	70.0	3,048,606	30.0	1,306,620	17.5	762,151	117.5	18,682
Albany	NY	35,668								
Allegany	NY	49,359	70.0	2,496,617	30.0	1,070,040	17.5	624,154	117.5	5,799,436
Bronx	NY	144,273								
Broome	NY	198,924								
Cattaraugus	NY	79,772								
Cayuga	NY	79,641								
Chautauqua	NY	13,464								
Chemung	NY	88,686								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Chenango	NY	5,392								
Clinton	NY	8,284								
Columbia	NY	6,286								
Cortland	NY	49,358								
Delaware	NY	4,774								
Dutchess	NY	29,736								
Erie	NY	922,896								
Essex	NY	39,423								
Franklin	NY	51,744	35.0	1,379,726	18.0	709,614	5.8	229,954	58.8	3,044,151
Fulton	NY	55,189								
Genesee	NY	6,291								
Greene	NY	48,855								
Hamilton	NY	478	0.0	0	6.0	293,130	11.7	569,942	17.7	8,444
Herkimer	NY	64,526	0.0	0	6.0	2,868	5.8	2,788	11.8	763,536
Jefferson	NY	1,191	52.5	3,387,421	24.0	1,548,624	0.0	0	76.5	91,108
Kings	NY	2,561,344								
Lewis	NY	2,748	0.0	0	6.0	15,368,064	0.0	0	6.0	16,488
Livingston	NY	6,522								
Madison	NY	73,282								
Monroe	NY	74,435								
Montgomery	NY	4,986								
Nassau	NY	1,343,189								
New York	NY	1,617,159								
Niagara	NY	21,593								
Oneida	NY	23,398								
Onondaga	NY	467,592								
Ontario	NY	18,872								
Orange	NY	3,741								
Orleans	NY	42,384								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Oswego	NY	122,361								
Otsego	NY	6,246								
Putnam	NY	99,843								
Queens	NY	2,257,454								
Rensselaer	NY	1,652								
Richmond	NY	47,198								
Rockland	NY	315,456								
Saratoga	NY	22,387								
Schenectady	NY	155,492								
Schoharie	NY	32,528								
Schuyler	NY	18,365								
Seneca	NY	35,822								
St. Lawrence	NY	112,122	52.5	1,880,548	24.0	859,728	0.0	0	76.5	8,576,997
Steuben	NY	99,238								
Suffolk	NY	149,811								
Sullivan	NY	75,355	5.8	873,848	12.0	1,797,732	17.5	2,621,543	35.3	2,662,443
Tioga	NY	5,862								
Tompkins	NY	12,315								
Ulster	NY	18,345								
Warren	NY	6,611	0.0	0	6.0	110,070	17.5	321,019	23.5	155,352
Washington	NY	63,158								
Wayne	NY	93,457								
Westchester	NY	9,639								
Wyoming	NY	42,176								
Yates	NY	25,434								
Adams	OH	28,391	35.0	890,139	18.0	457,812	17.5	445,070	70.5	2,001,480
Allen	OH	15,733								
Ashland	OH	537								
Ashtabula	OH	1,135								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Athens	OH	65,193	52.5	59,584	24.0	27,240	17.5	19,861	94.0	6,127,881
Auglaize	OH	4,556								
Belmont	OH	7,197	35.0	159,451	18.0	82,008	17.5	79,725	70.5	507,367
Brown	OH	44,542	17.5	125,940	6.0	43,182	0.0	0	23.5	1,046,692
Butler	OH	36,727								
Carroll	OH	28,749								
Champaign	OH	39,921								
Clark	OH	135,678								
Clermont	OH	198,957								
Clinton	OH	42,135								
Columbiana	OH	1,736								
Coshocton	OH	36,815	70.0	121,513	30.0	52,080	17.5	30,378	117.5	4,325,578
Crawford	OH	43,189								
Cuyahoga	OH	1,261,535								
Darke	OH	52,844								
Defiance	OH	38,912								
Delaware	OH	178,837								
Erie	OH	7,615								
Fairfield	OH	147,319								
Fayette	OH	2,882								
Franklin	OH	1,186,296								
Fulton	OH	42,621								
Gallia	OH	377	52.5	2,237,475	24.0	1,022,904	17.5	745,825	94.0	35,436
Geauga	OH	9,367								
Greene	OH	163,488								
Guernsey	OH	39,499	35.0	5,721,753	18.0	2,942,784	17.5	2,860,877	70.5	2,784,561
Hamilton	OH	792,536								
Hancock	OH	74,493								
Hardin	OH	328								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Harrison	OH	15,835	35.0	11,479	18.0	5,904	17.5	5,740	70.5	1,116,320
Henry	OH	27,957								
Highland	OH	4,325	35.0	978,439	18.0	503,226	17.5	489,220	70.5	304,900
Hocking	OH	29,353								
Holmes	OH	42,959	17.5	513,648	6.0	176,118	0.0	0	23.5	1,009,494
Huron	OH	58,941								
Jackson	OH	32,789	35.0	2,062,817	18.0	1,060,938	17.5	1,031,409	70.5	2,311,526
Jefferson	OH	686								
Knox	OH	693								
Lake	OH	229,717								
Lawrence	OH	623	35.0	8,039,636	18.0	4,134,906	17.5	4,019,818	70.5	43,920
Licking	OH	166,595								
Logan	OH	4,574								
Lorain	OH	31,391								
Lucas	OH	43,574								
Madison	OH	43,698								
Mahoning	OH	23,436								
Marion	OH	6,624								
Medina	OH	174,246								
Meigs	OH	23,588	52.5	9,147,392	24.0	4,181,904	17.5	3,049,131	94.0	2,217,178
Mercer	OH	4,788								
Miami	OH	1,312								
Monroe	OH	14,551	35.0	45,917	18.0	23,616	17.5	22,959	70.5	1,025,802
Montgomery	OH	534,527								
Morgan	OH	14,991	52.5	28,061,064	24.0	12,828,648	17.5	9,353,688	94.0	1,409,094
Morrow	OH	34,634								
Muskingum	OH	85,225	52.5	1,818,181	24.0	831,216	17.5	606,060	94.0	8,010,809
Noble	OH	14,625	35.0	2,982,705	18.0	1,534,050	17.5	1,491,352	70.5	1,031,019
Ottawa	OH	4,125								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Paulding	OH	19,358								
Perry	OH	3,696								
Pickaway	OH	55,254								
Pike	OH	2,837	35.0	1,933,779	18.0	994,572	17.5	966,890	70.5	200,000
Portage	OH	16,436								
Preble	OH	42,227								
Putnam	OH	34,484								
Richland	OH	123,464								
Ross	OH	78,488								
Sandusky	OH	6,935								
Scioto	OH	78,533	35.0	242,711	18.0	124,830	17.5	121,356	70.5	5,536,341
Seneca	OH	567								
Shelby	OH	4,943								
Stark	OH	374,518								
Summit	OH	54,549								
Trumbull	OH	27,586								
Tuscarawas	OH	9,363								
Union	OH	53,449								
Van Wert	OH	2,863								
Vinton	OH	13,334	35.0	100,199	18.0	51,534	17.5	50,100	70.5	940,007
Warren	OH	216,345								
Washington	OH	61,777	35.0	7,571,642	18.0	3,894,210	17.5	3,785,821	70.5	4,355,093
Wayne	OH	11,428								
Williams	OH	37,443								
Wood	OH	126,912								
Wyandot	OH	22,526								
Adair	OK	22,343								
Alfalfa	OK	5,756	35.0	781,960	12.0	268,116	0.0	0	47.0	270,520
Atoka	OK	1,392								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Beaver	OK	5,677	70.0	97,434	30.0	41,760	17.5	24,359	117.5	667,019
Beckham	OK	22,845	17.5	99,342	6.0	34,062	0.0	0	23.5	536,835
Blaine	OK	11,786								
Bryan	OK	43,365								
Caddo	OK	29,765								
Canadian	OK	122,662								
Carter	OK	47,775	0.0	0	6.0	735,972	17.5	2,146,462	23.5	1,122,665
Cherokee	OK	48,519								
Choctaw	OK	158								
Cimarron	OK	2,454	70.0	11,059	30.0	4,740	17.5	2,765	117.5	288,333
Cleveland	OK	264,443								
Coal	OK	5,932								
Comanche	OK	126,859								
Cotton	OK	6,155								
Craig	OK	151								
Creek	OK	7,512								
Custer	OK	2,886	0.0	0	6.0	45,072	17.5	131,452	23.5	67,818
Delaware	OK	41,797								
Dewey	OK	4,824	17.5	731,406	6.0	250,782	0.0	0	23.5	113,359
Ellis	OK	4,265	17.5	84,415	6.0	28,944	0.0	0	23.5	100,223
Garfield	OK	6,224	17.5	74,633	6.0	25,590	0.0	0	23.5	146,258
Garvin	OK	27,232								
Grady	OK	53,125								
Grant	OK	4,588	35.0	1,859,269	12.0	637,500	0.0	0	47.0	215,627
Greer	OK	6,193	17.5	80,285	6.0	27,528	0.0	0	23.5	145,529
Harmon	OK	2,836	17.5	108,371	6.0	37,158	0.0	0	23.5	66,643
Harper	OK	3,659	17.5	49,627	6.0	17,016	0.0	0	23.5	85,983
Haskell	OK	12,857	0.0	0	6.0	21,954	17.5	64,029	23.5	302,127
Hughes	OK	13,977								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Jackson	OK	2,679	17.5	244,584	6.0	83,862	0.0	0	23.5	62,954
Jefferson	OK	6,332								
Johnston	OK	1,971								
Kay	OK	45,837								
Kingfisher	OK	15,373								
Kiowa	OK	9,234								
Latimer	OK	1,937	0.0	0	6.0	55,404	17.5	161,586	23.5	45,518
Le Flore	OK	5,622								
Lincoln	OK	34,215								
Logan	OK	4,369								
Love	OK	9,383								
Major	OK	7,663								
Marshall	OK	1,639								
Mayes	OK	4,959								
McClain	OK	36,144								
McCurtain	OK	3,387								
McIntosh	OK	229	0.0	0	6.0	20,322	17.5	59,269	23.5	5,381
Murray	OK	1,374								
Muskogee	OK	7,129								
Noble	OK	11,579								
Nowata	OK	1,589	17.5	202,621	6.0	69,474	0.0	0	23.5	37,340
Okfuskee	OK	12,582								
Oklahoma	OK	736,634								
Okmulgee	OK	39,577								
Osage	OK	47,179								
Ottawa	OK	3,196								
Pawnee	OK	1,672								
Payne	OK	79,479								
Pittsburg	OK	45,164	0.0	0	6.0	476,874	17.5	1,390,803	23.5	1,061,309

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Pontotoc	OK	38,215	17.5	790,325	6.0	270,984	0.0	0	23.5	898,014
Pottawatomie	OK	752								
Pushmataha	OK	1,138								
Roger Mills	OK	3,765								
Rogers	OK	89,151								
Seminole	OK	25,239								
Sequoyah	OK	42,429								
Stephens	OK	44,752								
Texas	OK	2,889	70.0	3,132,461	30.0	1,342,560	17.5	783,115	117.5	339,443
Tillman	OK	7,963								
Tulsa	OK	6,868								
Wagoner	OK	74,689								
Washington	OK	51,524								
Washita	OK	11,566								
Woods	OK	8,983								
Woodward	OK	2,338	17.5	157,194	6.0	53,898	0.0	0	23.5	54,941
Baker	OR	1,587	70.0	163,651	24.0	56,112	0.0	0	94.0	149,172
Benton	OR	86,562								
Clackamas	OR	381,499								
Clatsop	OR	3,684	70.0	26,703,404	30.0	11,444,970	17.5	6,675,851	117.5	432,852
Columbia	OR	49,263								
Coos	OR	62,533	70.0	3,448,213	30.0	1,477,890	17.5	862,053	117.5	7,347,315
Crook	OR	2,781								
Curry	OR	2,275	70.0	194,659	30.0	83,430	17.5	48,665	117.5	267,301
Deschutes	OR	16,219								
Douglas	OR	18,137								
Gilliam	OR	1,937	70.0	1,269,517	30.0	544,110	17.5	317,379	117.5	227,588
Grant	OR	7,464	70.0	135,582	24.0	46,488	0.0	0	94.0	701,586
Harney	OR	7,294	70.0	522,450	30.0	223,920	17.5	130,613	117.5	857,009

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Hood River	OR	22,696	70.0	510,551	30.0	218,820	17.5	127,638	117.5	2,666,667
Jackson	OR	25,611								
Jefferson	OR	22,222								
Josephine	OR	8,313								
Klamath	OR	66,575	70.0	581,877	30.0	249,390	17.5	145,469	117.5	7,822,230
Lake	OR	7,882	70.0	4,659,984	30.0	1,997,250	17.5	1,164,996	117.5	926,096
Lane	OR	355,191								
Lincoln	OR	46,241								
Linn	OR	118,373								
Malheur	OR	397	70.0	8,285,637	30.0	3,551,190	17.5	2,071,409	117.5	46,646
Marion	OR	318,691								
Morrow	OR	11,278								
Multnomah	OR	756,563								
Polk	OR	76,125								
Sherman	OR	173	70.0	5,328,446	30.0	2,283,750	17.5	1,332,111	117.5	20,327
Tillamook	OR	25,389								
Umatilla	OR	77,391								
Union	OR	268	70.0	5,417,060	24.0	1,857,384	0.0	0	94.0	25,191
Wallowa	OR	711	35.0	9,379	12.0	3,216	0.0	0	47.0	33,416
Wasco	OR	25,154								
Washington	OR	547,821								
Wheeler	OR	1,442								
Yamhill	OR	99,958								
Adams	PA	11,982								
Allegheny	PA	1,226,598								
Armstrong	PA	68,222								
Beaver	PA	1,757								
Bedford	PA	49,683	35.0	61,491	12.0	21,084	0.0	0	47.0	2,335,002
Berks	PA	41,146								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Blair	PA	126,527								
Bradford	PA	63,389								
Bucks	PA	626,788								
Butler	PA	185,466								
Cambria	PA	142,248								
Cameron	PA	522	70.0	9,956,791	30.0	4,267,440	17.5	2,489,198	117.5	61,332
Carbon	PA	64,235								
Centre	PA	155,718								
Chester	PA	543								
Clarion	PA	39,943	70.0	38,008	30.0	16,290	17.5	9,502	117.5	4,693,103
Clearfield	PA	82,175								
Clinton	PA	39,353								
Columbia	PA	67,596								
Crawford	PA	88,594								
Cumberland	PA	23,833								
Dauphin	PA	269,754								
Delaware	PA	561,341								
Elk	PA	31,769	70.0	39,291,625	30.0	16,840,230	17.5	9,822,906	117.5	3,732,699
Erie	PA	28,758								
Fayette	PA	13,659								
Forest	PA	7,717	70.0	956,075	30.0	409,770	17.5	239,019	117.5	906,709
Franklin	PA	151,139								
Fulton	PA	14,831	35.0	5,289,563	12.0	1,813,668	0.0	0	47.0	697,027
Greene	PA	38,392								
Huntingdon	PA	46,119								
Indiana	PA	88,915								
Jefferson	PA	44,855	70.0	6,223,694	24.0	2,133,960	0.0	0	94.0	4,216,191
Juniata	PA	24,181								
Lackawanna	PA	211,816								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Lancaster	PA	52,481								
Lawrence	PA	8,996								
Lebanon	PA	134,934								
Lehigh	PA	351,121								
Luzerne	PA	32,133								
Lycoming	PA	116,314								
McKean	PA	4,388	70.0	8,141,515	30.0	3,489,420	17.5	2,035,379	117.5	515,568
Mercer	PA	116,229								
Mifflin	PA	46,827								
Monroe	PA	17,316								
Montgomery	PA	85,757								
Montour	PA	18,326	52.5	4,501,985	24.0	2,058,168	17.5	1,500,662	94.0	1,722,571
Northampton	PA	298,772								
Northumberland	PA	94,714	0.0	0	6.0	1,792,632	17.5	5,228,211	23.5	2,225,684
Perry	PA	45,851								
Philadelphia	PA	1,535,888								
Pike	PA	56,427								
Potter	PA	17,513	70.0	3,949,664	30.0	1,692,810	17.5	987,416	117.5	2,057,690
Schuylkill	PA	146,784								
Snyder	PA	39,727								
Somerset	PA	7,771	70.0	2,780,731	24.0	953,448	0.0	0	94.0	730,443
Sullivan	PA	6,581								
Susquehanna	PA	4,316								
Tioga	PA	42,557	35.0	151,051	18.0	77,688	17.5	75,526	70.5	3,000,141
Union	PA	44,976								
Venango	PA	5,436								
Warren	PA	41,217								
Washington	PA	2,983								
Wayne	PA	53,665								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Westmoreland	PA	365,161								
Wyoming	PA	28,719								
York	PA	436,389								
Adjuntas	PR	19,586								
Aguada	PR	43,412	17.5	342,735	6.0	117,516	0.0	0	23.5	1,020,139
Aguadilla	PR	6,995	17.5	759,667	6.0	260,472	0.0	0	23.5	164,376
Aguas Buenas	PR	2,883								
Aibonito	PR	26,256								
Anasco	PR	29,544								
Arecibo	PR	9,583								
Arroyo	PR	19,989								
Barceloneta	PR	25,296								
Barranquitas	PR	3,124								
Bayamon	PR	28,734								
Cabo Rojo	PR	5,187								
Caguas	PR	143,821								
Camuy	PR	351								
Canovanas	PR	48,639								
Carolina	PR	174,554								
Catano	PR	27,579								
Cayey	PR	48,273								
Ceiba	PR	13,368								
Ciales	PR	19,168								
Cidra	PR	4,387								
Coamo	PR	4,147								
Comerio	PR	21,379								
Corozal	PR	37,397								
Culebra	PR	1,843								
Dorado	PR	38,372								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Fajardo	PR	36,372								
Florida	PR	12,695								
Guanica	PR	19,775								
Guayama	PR	46,783								
Guayanilla	PR	21,666								
Guaynabo	PR	98,763								
Gurabo	PR	47,925								
Hatillo	PR	41,392								
Hormigueros	PR	18,139								
Humacao	PR	57,538								
Isabela	PR	46,315								
Jayuya	PR	16,576								
Juana Diaz	PR	51,324								
Juncos	PR	41,251								
Lajas	PR	25,968								
Lares	PR	47,772								
Las Marias	PR	9,954								
Las Piedras	PR	39,654								
Loiza	PR	29,554								
Luquillo	PR	23								
Manati	PR	43,696								
Maricao	PR	6,335								
Maunabo	PR	1,243								
Mayaguez	PR	89,918								
Moca	PR	4,896								
Morovis	PR	33,384								
Naguabo	PR	26,991								
Naranjito	PR	3,975								
Orocovis	PR	23,759								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Patillas	PR	1,958								
Penuelas	PR	24,462								
Ponce	PR	166,523								
Quebradillas	PR	25,945								
Rincon	PR	15,217	17.5	454,012	6.0	155,670	0.0	0	23.5	357,584
Rio Grande	PR	55,439								
Sabana Grande	PR	25,376								
Salinas	PR	31,385								
San German	PR	35,673								
San Juan	PR	392,392								
San Lorenzo	PR	4,197								
San Sebastian	PR	43,884								
Santa Isabel	PR	23,379								
Toa Alta	PR	7,592								
Toa Baja	PR	88,543								
Trujillo Alto	PR	74,625								
Utua	PR	32,592								
Vega Alta	PR	39,983								
Vega Baja	PR	5,989								
Vieques	PR	8,966								
Villalba	PR	2,699								
Yabucoa	PR	37,934								
Yauco	PR	41,448								
Bristol	RI	5,247								
Kent	RI	165,821								
Newport	RI	13,983								
Providence	RI	622,336								
Washington	RI	128,411								
Abbeville	SC	25,227								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Aiken	SC	163,143								
Allendale	SC	1,185	0.0	0	6.0	978,858	17.5	2,854,839	23.5	27,846
Anderson	SC	1,881								
Bamberg	SC	15,893	0.0	0	6.0	11,286	17.5	32,916	23.5	373,470
Barnwell	SC	22,573								
Beaufort	SC	16,513								
Berkeley	SC	186,731								
Calhoun	SC	15,285								
Charleston	SC	361,716								
Cherokee	SC	55,266								
Chester	SC	32,983								
Chesterfield	SC	4,694								
Clarendon	SC	34,842	17.5	82,140	6.0	28,164	0.0	0	23.5	818,752
Colleton	SC	38,592								
Darlington	SC	68,744	17.5	675,321	6.0	231,552	0.0	0	23.5	1,615,415
Dillon	SC	31,833								
Dorchester	SC	143,729								
Edgefield	SC	26,943								
Fairfield	SC	24,196								
Florence	SC	13,752								
Georgetown	SC	6,298								
Greenville	SC	46,922								
Greenwood	SC	69,727	17.5	821,088	6.0	281,532	0.0	0	23.5	1,638,515
Hampton	SC	21,153								
Horry	SC	28,897								
Jasper	SC	25,658	17.5	505,669	6.0	173,382	0.0	0	23.5	602,937
Kershaw	SC	6,273								
Lancaster	SC	78,837								
Laurens	SC	65,891								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Lee	SC	1,972								
Lexington	SC	269,492								
Marion	SC	32,884								
Marlboro	SC	2,962								
McCormick	SC	1,318								
Newberry	SC	37,856								
Oconee	SC	74,968								
Orangeburg	SC	91,839								
Pickens	SC	119,192								
Richland	SC	393,853								
Saluda	SC	27								
Spartanburg	SC	287,381								
Sumter	SC	1,792								
Union	SC	28,581								
Williamsburg	SC	3,463								
York	SC	233,282								
Aurora	SD	2,697	35.0	8,164,403	18.0	4,199,076	17.5	4,082,202	70.5	190,130
Beadle	SD	17,739	35.0	94,390	12.0	32,364	0.0	0	47.0	833,698
Bennett	SD	3,412	70.0	1,241,659	30.0	532,170	17.5	310,415	117.5	400,893
Bon Homme	SD	713	0.0	0	6.0	20,472	17.5	59,707	23.5	16,755
Brookings	SD	32,941								
Brown	SD	3,723								
Brule	SD	5,238	35.0	130,298	18.0	67,014	17.5	65,149	70.5	369,263
Buffalo	SD	1,863	70.0	366,639	30.0	157,140	17.5	91,660	117.5	218,893
Butte	SD	136	70.0	130,403	30.0	55,890	17.5	32,601	117.5	15,979
Campbell	SD	146	70.0	9,519	30.0	4,080	17.5	2,380	117.5	17,154
Charles Mix	SD	9,164	35.0	5,110	18.0	2,628	17.5	2,555	70.5	646,035
Clark	SD	3,656								
Clay	SD	1,353								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Codington	SD	2,775	35.0	47,352	12.0	16,236	0.0	0	47.0	130,419
Corson	SD	419	70.0	194,239	30.0	83,250	17.5	48,560	117.5	49,230
Custer	SD	8,373	35.0	14,664	18.0	7,542	17.5	7,332	70.5	590,271
Davison	SD	1,978	0.0	0	6.0	50,238	17.5	146,519	23.5	46,481
Day	SD	5,641								
Deuel	SD	4,362	17.5	98,712	6.0	33,846	0.0	0	23.5	102,503
Dewey	SD	5,366	52.5	228,992	24.0	104,688	17.5	76,331	94.0	504,383
Douglas	SD	358	35.0	187,799	18.0	96,588	17.5	93,900	70.5	25,238
Edmunds	SD	499								
Fall River	SD	6,952	70.0	34,928	30.0	14,970	17.5	8,732	117.5	816,825
Faulk	SD	2,347								
Grant	SD	722	17.5	41,070	6.0	14,082	0.0	0	23.5	16,966
Gregory	SD	4,264	35.0	25,269	18.0	12,996	17.5	12,634	70.5	300,599
Haakon	SD	198	70.0	298,463	30.0	127,920	17.5	74,616	117.5	23,264
Hamlin	SD	584	35.0	6,930	12.0	2,376	0.0	0	47.0	27,447
Hand	SD	34	70.0	40,878	30.0	17,520	17.5	10,219	117.5	3,995
Hanson	SD	3,372	0.0	0	6.0	204	17.5	595	23.5	79,239
Harding	SD	131	70.0	236,027	30.0	101,160	17.5	59,007	117.5	15,392
Hughes	SD	17,475	52.5	6,877	24.0	3,144	17.5	2,292	94.0	1,642,580
Hutchinson	SD	747	0.0	0	6.0	104,850	17.5	305,795	23.5	17,554
Hyde	SD	1,463	70.0	52,287	30.0	22,410	17.5	13,072	117.5	171,895
Jackson	SD	312	70.0	102,404	30.0	43,890	17.5	25,601	117.5	36,658
Jerauld	SD	2,199	35.0	10,919	18.0	5,616	17.5	5,460	70.5	155,023
Jones	SD	19	52.5	115,441	24.0	52,776	17.5	38,480	94.0	1,786
Kingsbury	SD	5,118								
Lake	SD	11,412								
Lawrence	SD	24,717	35.0	399,397	18.0	205,416	17.5	199,699	70.5	1,742,474
Lincoln	SD	48,294								
Lyman	SD	392	52.5	2,535,290	24.0	1,159,056	17.5	845,097	94.0	36,846

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Marshall	SD	4,623								
McCook	SD	5,699								
McPherson	SD	2,518								
Meade	SD	25,896	35.0	88,125	18.0	45,324	17.5	44,062	70.5	1,825,590
Mellette	SD	24	70.0	1,812,616	30.0	776,880	17.5	453,154	117.5	2,820
Miner	SD	2,356								
Minnehaha	SD	174,416								
Moody	SD	6,528								
Pennington	SD	1,415	35.0	228,467	18.0	117,504	17.5	114,233	70.5	99,753
Perkins	SD	318	70.0	99,044	30.0	42,450	17.5	24,761	117.5	37,363
Potter	SD	241	70.0	22,259	30.0	9,540	17.5	5,565	117.5	28,316
Roberts	SD	1,562	17.5	4,217	6.0	1,446	0.0	0	23.5	36,705
Sanborn	SD	234								
Shannon	SD	1,369	35.0	8,190	18.0	4,212	17.5	4,095	70.5	96,510
Spink	SD	6,455								
Stanley	SD	365	52.5	338,868	24.0	154,920	17.5	112,956	94.0	34,309
Sully	SD	1,392	52.5	19,161	24.0	8,760	17.5	6,387	94.0	130,842
Todd	SD	9,992	70.0	97,434	30.0	41,760	17.5	24,359	117.5	1,174,010
Tripp	SD	56	70.0	699,400	30.0	299,760	17.5	174,850	117.5	6,580
Turner	SD	8,337								
Union	SD	14,753								
Walworth	SD	5,481	70.0	1,032,651	30.0	442,590	17.5	258,163	117.5	643,990
Yankton	SD	2,289	0.0	0	6.0	32,886	17.5	95,912	23.5	53,789
Ziebach	SD	2,833	70.0	160,221	30.0	68,670	17.5	40,055	117.5	332,863
Anderson	TN	75,188								
Bedford	TN	45,557								
Benton	TN	16,449								
Bledsoe	TN	12,922	35.0	575,682	12.0	197,388	0.0	0	47.0	607,308
Blount	TN	124,352								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Bradley	TN	1,867	35.0	4,352,071	12.0	1,492,224	0.0	0	47.0	87,745
Campbell	TN	439								
Cannon	TN	1,387								
Carroll	TN	28,617	17.5	24,271	6.0	8,322	0.0	0	23.5	672,471
Carter	TN	57,377	35.0	1,001,538	18.0	515,106	17.5	500,769	70.5	4,044,906
Cheatham	TN	3,956								
Chester	TN	17,289	17.5	69,226	6.0	23,736	0.0	0	23.5	406,274
Claiborne	TN	32,552								
Clay	TN	7,812	70.0	2,278,510	30.0	976,560	17.5	569,627	117.5	917,871
Cocke	TN	3,561								
Coffee	TN	52,868								
Crockett	TN	14,482								
Cumberland	TN	56,937	52.5	760,262	24.0	347,568	17.5	253,421	94.0	5,351,850
Davidson	TN	64,239								
Decatur	TN	11,671	17.5	1,124,118	6.0	385,434	0.0	0	23.5	274,257
DeKalb	TN	18,883	17.5	204,231	6.0	70,026	0.0	0	23.5	443,732
Dickson	TN	575								
Dyer	TN	384								
Fayette	TN	38,796								
Fentress	TN	1,831								
Franklin	TN	4,182								
Gibson	TN	49,838								
Giles	TN	29,446								
Grainger	TN	22,751								
Greene	TN	6,938								
Grundy	TN	1,372	17.5	121,408	6.0	41,628	0.0	0	23.5	32,241
Hamblen	TN	62,899								
Hamilton	TN	344,958	35.0	2,201,339	12.0	754,788	0.0	0	47.0	16,212,336
Hancock	TN	6,782	52.5	18,109,260	24.0	8,278,992	17.5	6,036,420	94.0	637,481

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHx/Pops)	New MBS License (MHz)	New MBS License (MHx/Pops)	New UBS License (MHz)	New UBS License (MHx/Pops)	Total MHz In County	Total MHz/Pops In County
Hardeman	TN	2,734								
Hardin	TN	25,912								
Hawkins	TN	56,754	35.0	906,868	18.0	466,416	17.5	453,434	70.5	4,000,987
Haywood	TN	18,468								
Henderson	TN	2,792	17.5	323,172	6.0	110,808	0.0	0	23.5	65,609
Henry	TN	3,222								
Hickman	TN	24,361								
Houston	TN	8,384								
Humphreys	TN	1,844								
Jackson	TN	11,679	70.0	129,073	30.0	55,320	17.5	32,268	117.5	1,372,224
Jefferson	TN	51,969								
Johnson	TN	18,427	35.0	1,818,811	18.0	935,442	17.5	909,406	70.5	1,299,048
Knox	TN	43,748								
Lake	TN	7,852								
Lauderdale	TN	27,459								
Lawrence	TN	4,288								
Lewis	TN	12,149	35.0	150,071	18.0	77,184	17.5	75,036	70.5	856,468
Lincoln	TN	3,328								
Loudon	TN	515								
Macon	TN	22,435	70.0	36,048	30.0	15,450	17.5	9,012	117.5	2,636,000
Madison	TN	98,388								
Marion	TN	28,343	17.5	1,721,692	6.0	590,328	0.0	0	23.5	666,032
Marshall	TN	373								
Maury	TN	82,649								
McMinn	TN	52,522	35.0	2,892,550	12.0	991,788	0.0	0	47.0	2,468,429
McNairy	TN	2,656	17.5	919,082	6.0	315,132	0.0	0	23.5	62,413
Meigs	TN	1,185	35.0	92,955	12.0	31,872	0.0	0	47.0	55,693
Monroe	TN	44,918								
Montgomery	TN	18,538								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Moore	TN	6,374								
Morgan	TN	2,216								
Obion	TN	31,513								
Overton	TN	22,391	70.0	2,205,784	30.0	945,390	17.5	551,446	117.5	2,630,831
Perry	TN	7,975	35.0	783,640	18.0	403,038	17.5	391,820	70.5	562,214
Pickett	TN	5,116								
Polk	TN	169	35.0	179,050	12.0	61,392	0.0	0	47.0	7,943
Putnam	TN	73,688	52.5	8,872	24.0	4,056	17.5	2,957	94.0	6,926,377
Rhea	TN	3,263	35.0	2,578,933	12.0	884,256	0.0	0	47.0	153,354
Roane	TN	53,926								
Robertson	TN	6,791								
Rutherford	TN	271,276								
Scott	TN	22,171								
Sequatchie	TN	1,449	17.5	387,970	6.0	133,026	0.0	0	23.5	34,050
Sevier	TN	92,463								
Shelby	TN	936,251								
Smith	TN	1,929	70.0	65,533,825	30.0	28,087,530	17.5	16,383,456	117.5	226,648
Stewart	TN	1,334								
Sullivan	TN	157,184	35.0	46,687	18.0	24,012	17.5	23,344	70.5	11,081,000
Sumner	TN	165,193								
Tipton	TN	61,687								
Trousdale	TN	7,783	52.5	3,238,382	24.0	1,480,488	17.5	1,079,461	94.0	731,571
Unicoi	TN	182								
Union	TN	18,943								
Van Buren	TN	5,723	17.5	331,484	6.0	113,658	0.0	0	23.5	134,485
Warren	TN	39,877	17.5	100,147	6.0	34,338	0.0	0	23.5	937,070
Washington	TN	125,257								
Wayne	TN	16,972								
Weakley	TN	34,946	17.5	296,993	6.0	101,832	0.0	0	23.5	821,196

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
White	TN	26,311	52.5	1,834,560	24.0	838,704	17.5	611,520	94.0	2,473,129
Williamson	TN	192,437								
Wilson	TN	11,873								
Anderson	TX	5,853								
Andrews	TX	1,597								
Angelina	TX	87,682	70.0	111,784	30.0	47,910	17.5	27,946	117.5	10,302,197
Aransas	TX	23,568								
Archer	TX	938								
Armstrong	TX	1,925	35.0	32,828	12.0	11,256	0.0	0	47.0	90,471
Atascosa	TX	46,215	17.5	33,686	12.0	23,100	17.5	33,686	47.0	2,172,013
Austin	TX	28,678								
Bailey	TX	734								
Bandera	TX	2,936								
Bastrop	TX	75,248								
Baylor	TX	376								
Bee	TX	32,549								
Bell	TX	32,556								
Bexar	TX	179,227								
Blanco	TX	1,691								
Borden	TX	633	17.5	29,591	6.0	10,146	0.0	0	23.5	14,875
Bosque	TX	18,313								
Bowie	TX	9,328								
Brazoria	TX	32,222								
Brazos	TX	19,788								
Brewster	TX	9,331	70.0	1,385,081	30.0	593,640	17.5	346,270	117.5	1,096,346
Briscoe	TX	1,578	70.0	653,133	30.0	279,930	17.5	163,283	117.5	185,407
Brooks	TX	7,266	52.5	82,840	24.0	37,872	17.5	27,613	94.0	682,975
Brown	TX	37,594								
Burleson	TX	17,479								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Burnet	TX	43,617								
Caldwell	TX	39,489								
Calhoun	TX	21,567	17.5	691,018	12.0	473,868	17.5	691,018	47.0	1,013,606
Callahan	TX	13,616								
Cameron	TX	416,832								
Camp	TX	12,347	17.5	7,294,143	12.0	5,001,984	17.5	7,294,143	47.0	580,284
Carson	TX	6,191	35.0	432,120	12.0	148,164	0.0	0	47.0	290,965
Cass	TX	3,448								
Castro	TX	864	17.5	60,337	6.0	20,688	0.0	0	23.5	20,303
Chambers	TX	36,223								
Cherokee	TX	51,837	0.0	0	12.0	434,676	17.5	633,866	29.5	1,529,140
Childress	TX	778	70.0	3,628,383	30.0	1,555,110	17.5	907,096	117.5	91,411
Clay	TX	1,834								
Cochran	TX	399	35.0	64,186	18.0	33,012	17.5	32,093	70.5	28,128
Coke	TX	3,291								
Coleman	TX	8,814								
Collin	TX	83,359								
Collingsworth	TX	317	35.0	2,917,398	18.0	1,500,462	17.5	1,458,699	70.5	22,348
Colorado	TX	2,937								
Comal	TX	114,969								
Comanche	TX	13,865								
Concho	TX	485								
Cooke	TX	38,481								
Coryell	TX	74,996								
Cottle	TX	1,491	70.0	5,249,420	30.0	2,249,880	17.5	1,312,355	117.5	175,185
Crane	TX	445								
Crockett	TX	3,754								
Crosby	TX	67								
Culberson	TX	221								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Dallam	TX	6,999	70.0	15,469	30.0	6,630	17.5	3,867	117.5	822,348
Dallas	TX	244,298								
Dawson	TX	13,858								
Deaf Smith	TX	19,248								
Delta	TX	5,257								
Denton	TX	71,511								
DeWitt	TX	2,621	0.0	0	6.0	429,066	17.5	1,251,371	23.5	61,591
Dickens	TX	2,323	70.0	183,460	30.0	78,630	17.5	45,865	117.5	272,941
Dimmit	TX	1,374	70.0	162,601	30.0	69,690	17.5	40,650	117.5	161,438
Donley	TX	363	70.0	96,175	30.0	41,220	17.5	24,044	117.5	42,651
Duval	TX	12,264	17.5	6,352	12.0	4,356	17.5	6,352	47.0	576,383
Eastland	TX	18,573	17.5	214,608	6.0	73,584	11.7	143,072	35.2	653,120
Ector	TX	144,111								
Edwards	TX	1,973	0.0	0	6.0	864,666	17.5	2,521,798	23.5	46,364
El Paso	TX	837,382								
Ellis	TX	153,799								
Erath	TX	38,334								
Falls	TX	17,847								
Fannin	TX	33,997								
Fayette	TX	24,883								
Fisher	TX	3,834								
Floyd	TX	6,338								
Foard	TX	1,345	70.0	443,635	30.0	190,140	17.5	110,909	117.5	158,031
Fort Bend	TX	626,122								
Franklin	TX	1,699	17.5	10,956,509	12.0	7,513,464	17.5	10,956,509	47.0	79,850
Freestone	TX	19,813								
Frio	TX	18,579	17.5	346,708	12.0	237,756	17.5	346,708	47.0	873,176
Gaines	TX	18,549								
Galveston	TX	296,944								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Garza	TX	643								
Gillespie	TX	25,384	0.0	0	6.0	3,858	17.5	11,252	23.5	596,499
Glasscock	TX	1,253								
Goliad	TX	7,453	17.5	21,926	12.0	15,036	17.5	21,926	47.0	350,276
Gonzales	TX	289								
Gray	TX	22,797	70.0	20,229	30.0	8,670	17.5	5,057	117.5	2,678,534
Grayson	TX	12,175								
Gregg	TX	124,438	17.5	213,050	12.0	146,100	17.5	213,050	47.0	5,848,337
Grimes	TX	27,188								
Guadalupe	TX	13,921								
Hale	TX	36,337								
Hall	TX	349	70.0	2,543,445	30.0	1,090,110	17.5	635,861	117.5	41,006
Hamilton	TX	845								
Hansford	TX	562	70.0	59,147	30.0	25,350	17.5	14,787	117.5	66,032
Hardeman	TX	411	17.5	9,834	6.0	3,372	0.0	0	23.5	9,658
Hardin	TX	55,187	17.5	7,192	6.0	2,466	0.0	0	23.5	1,296,839
Harris	TX	4,226,121								
Harrison	TX	66,944	0.0	0	6.0	25,356,726	17.5	73,952,891	23.5	1,573,117
Hartley	TX	661	35.0	2,342,906	12.0	803,328	0.0	0	47.0	31,066
Haskell	TX	5,912	70.0	46,267	30.0	19,830	17.5	11,567	117.5	694,630
Hays	TX	169,257								
Hemphill	TX	3,877	70.0	11,847,313	30.0	5,077,710	17.5	2,961,828	117.5	455,528
Henderson	TX	79,355								
Hidalgo	TX	81,294								
Hill	TX	35,299								
Hockley	TX	23								
Hood	TX	52,519								
Hopkins	TX	35,441								
Houston	TX	23,647	0.0	0	6.0	212,646	17.5	620,182	23.5	555,681

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Howard	TX	36,139								
Hudspeth	TX	347								
Hunt	TX	87,444								
Hutchinson	TX	22,157	35.0	3,060,365	12.0	1,049,328	0.0	0	47.0	1,041,335
Irion	TX	1,643								
Jack	TX	9,125								
Jackson	TX	14,295								
Jasper	TX	36,616	17.5	250,148	6.0	85,770	0.0	0	23.5	860,439
Jeff Davis	TX	2,351	70.0	2,562,974	30.0	1,098,480	17.5	640,743	117.5	276,231
Jefferson	TX	251,817	17.5	41,140	6.0	14,106	0.0	0	23.5	5,917,448
Jim Hogg	TX	5,367								
Jim Wells	TX	41,859								
Johnson	TX	15,369								
Jones	TX	216								
Karnes	TX	15,176	0.0	0	6.0	1,296	17.5	3,780	23.5	356,621
Kaufman	TX	16,113								
Kendall	TX	35,815								
Kenedy	TX	319								
Kent	TX	824	70.0	22,329	30.0	9,570	17.5	5,582	117.5	96,816
Kerr	TX	5,286	17.5	14,419	12.0	9,888	17.5	14,419	47.0	248,431
Kimble	TX	4,571	17.5	92,500	12.0	63,432	17.5	92,500	47.0	214,828
King	TX	285	70.0	319,952	30.0	137,130	17.5	79,988	117.5	33,486
Kinney	TX	3,593	35.0	9,974	18.0	5,130	17.5	4,987	70.5	253,296
Kleberg	TX	32,324								
Knox	TX	3,747	70.0	2,262,551	30.0	969,720	17.5	565,638	117.5	440,254
La Salle	TX	7,229	35.0	131,138	18.0	67,446	17.5	65,569	70.5	509,623
Lamar	TX	49,487	0.0	0	6.0	43,374	17.5	126,500	23.5	1,162,895
Lamb	TX	13,744								
Lampasas	TX	19,916								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Lavaca	TX	19,653								
Lee	TX	1,678								
Leon	TX	16,826								
Liberty	TX	76,697								
Limestone	TX	23,564								
Lipscomb	TX	332	70.0	1,649,386	30.0	706,920	17.5	412,346	117.5	39,008
Live Oak	TX	11,628	0.0	0	6.0	1,992	17.5	5,810	23.5	273,246
Llano	TX	19,895	17.5	203,478	12.0	139,536	5.8	67,826	35.3	702,930
Loving	TX	81								
Lubbock	TX	286,413								
Lynn	TX	5,928	17.5	5,011,941	6.0	1,718,478	0.0	0	23.5	139,302
Madison	TX	13,612								
Marion	TX	1,627	0.0	0	6.0	81,672	17.5	238,196	23.5	38,233
Martin	TX	511								
Mason	TX	4,117	0.0	0	6.0	3,066	5.8	2,981	11.8	48,716
Matagorda	TX	36,437								
Maverick	TX	56,829	70.0	2,550,444	30.0	1,093,110	17.5	637,611	117.5	6,677,123
McCulloch	TX	8,285								
McLennan	TX	239,837								
McMullen	TX	75	17.5	4,196,908	12.0	2,878,044	17.5	4,196,908	47.0	3,525
Medina	TX	47,492								
Menard	TX	2,222								
Midland	TX	143,875								
Milam	TX	24,811								
Mills	TX	493								
Mitchell	TX	9,539	70.0	34,508	30.0	14,790	17.5	8,627	117.5	1,120,785
Montague	TX	1,973	17.5	166,923	12.0	114,468	17.5	166,923	47.0	92,727
Montgomery	TX	48,222								
Moore	TX	22,136	35.0	1,687,674	12.0	578,664	0.0	0	47.0	1,040,348

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Morris	TX	12,837	17.5	387,358	12.0	265,632	17.5	387,358	47.0	603,313
Motley	TX	1,188	70.0	898,539	30.0	385,110	17.5	224,635	117.5	139,584
Nacogdoches	TX	66,422	70.0	83,155	30.0	35,640	17.5	20,789	117.5	7,804,253
Navarro	TX	4,872								
Newton	TX	14,484								
Nolan	TX	15,291								
Nueces	TX	346,214								
Ochiltree	TX	148	70.0	24,233,595	30.0	10,386,420	17.5	6,058,399	117.5	17,389
Oldham	TX	265	35.0	5,180	12.0	1,776	0.0	0	47.0	12,454
Orange	TX	8,271								
Palo Pinto	TX	2,834	17.5	144,734	12.0	99,252	17.5	144,734	47.0	133,192
Panola	TX	2,423								
Parker	TX	12,312								
Parmer	TX	1,222								
Pecos	TX	15,827	70.0	85,535	30.0	36,660	17.5	21,384	117.5	1,859,593
Polk	TX	4,612	0.0	0	6.0	94,962	17.5	276,957	23.5	108,377
Potter	TX	1,222	35.0	161,411	12.0	55,344	0.0	0	47.0	57,432
Presidio	TX	7,752	70.0	85,535	30.0	36,660	17.5	21,384	117.5	910,821
Rains	TX	11,253	17.5	135,652	12.0	93,024	17.5	135,652	47.0	528,868
Randall	TX	12,521								
Reagan	TX	3,359	70.0	876,420	30.0	375,630	17.5	219,105	117.5	394,666
Real	TX	325	0.0	0	6.0	20,154	17.5	58,779	23.5	7,637
Red River	TX	12,599								
Reeves	TX	13,922								
Refugio	TX	7,377								
Roberts	TX	94	70.0	516,360	30.0	221,310	17.5	129,090	117.5	11,045
Robertson	TX	16,419								
Rockwall	TX	844								
Runnels	TX	1,373								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Rusk	TX	54,532	17.5	24,026	12.0	16,476	17.5	24,026	47.0	2,562,895
Sabine	TX	1,634	52.5	2,862,766	18.0	981,576	0.0	0	70.5	115,192
San Augustine	TX	8,933	70.0	114,373	24.0	39,216	0.0	0	94.0	839,666
San Jacinto	TX	26,852	0.0	0	6.0	53,598	17.5	156,319	23.5	630,995
San Patricio	TX	64,614								
San Saba	TX	696								
Schleicher	TX	354								
Scurry	TX	1,782	70.0	24,779	30.0	10,620	17.5	6,195	117.5	209,376
Shackelford	TX	3,445								
Shelby	TX	25,988	70.0	241,136	24.0	82,680	0.0	0	94.0	2,442,768
Sherman	TX	36	70.0	1,819,056	30.0	779,640	17.5	454,764	117.5	4,230
Smith	TX	21,396	0.0	0	12.0	432	17.5	630	29.5	631,161
Somervell	TX	862								
Starr	TX	64,113								
Stephens	TX	9,481	17.5	1,121,913	12.0	769,356	17.5	1,121,913	47.0	445,588
Sterling	TX	1,149								
Stonewall	TX	1,478	70.0	80,425	30.0	34,470	17.5	20,106	117.5	173,658
Sutton	TX	4,151	70.0	103,454	30.0	44,340	17.5	25,864	117.5	487,722
Swisher	TX	7,821	17.5	72,638	6.0	24,906	0.0	0	23.5	183,786
Tarrant	TX	186,663								
Taylor	TX	132,474								
Terrell	TX	976	70.0	9,272,650	30.0	3,974,220	17.5	2,318,163	117.5	114,675
Terry	TX	1,285								
Throckmorton	TX	1,612	70.0	89,945	30.0	38,550	17.5	22,486	117.5	189,402
Titus	TX	32,573	17.5	28,208	12.0	19,344	17.5	28,208	47.0	1,530,866
Tom Green	TX	113,862								
Travis	TX	196,313								
Trinity	TX	14,426	0.0	0	6.0	1,177,878	17.5	3,435,281	23.5	338,997
Tyler	TX	2,228	17.5	252,441	6.0	86,556	0.0	0	23.5	52,356

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Upshur	TX	4,282	17.5	38,988	12.0	26,736	17.5	38,988	47.0	201,245
Upton	TX	347								
Uvalde	TX	26,886	17.5	6,072	12.0	4,164	17.5	6,072	47.0	1,263,588
Val Verde	TX	4,997	70.0	1,881,912	30.0	806,580	17.5	470,478	117.5	587,123
Van Zandt	TX	52,941								
Victoria	TX	88,379	17.5	926,415	12.0	635,292	17.5	926,415	47.0	4,153,636
Walker	TX	68,438								
Waller	TX	44,682								
Ward	TX	1,899	70.0	3,127,561	30.0	1,340,460	17.5	781,890	117.5	223,123
Washington	TX	34,165								
Webb	TX	25,993								
Wharton	TX	41,364								
Wheeler	TX	5,485	35.0	1,447,657	18.0	744,552	17.5	723,829	70.5	386,676
Wichita	TX	129,727								
Wilbarger	TX	13,279								
Willacy	TX	22,916								
Williamson	TX	45,672								
Wilson	TX	44,898								
Winkler	TX	7,347								
Wise	TX	6,713								
Wood	TX	42,326	17.5	117,471	12.0	80,556	17.5	117,471	47.0	1,989,237
Yoakum	TX	7,944	17.5	740,663	12.0	507,912	17.5	740,663	47.0	373,352
Young	TX	18,481								
Zapata	TX	14,415								
Zavala	TX	12,175	35.0	504,496	18.0	259,470	17.5	252,248	70.5	858,301
Beaver	UT	652	35.0	426,101	18.0	219,150	17.5	213,050	70.5	45,964
Box Elder	UT	5,914								
Cache	UT	11,683	70.0	413,956	30.0	177,420	17.5	103,489	117.5	1,372,694
Carbon	UT	21,546	70.0	817,763	30.0	350,490	17.5	204,441	117.5	2,531,547

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Daggett	UT	1,116	70.0	1,508,134	30.0	646,380	17.5	377,033	117.5	131,124
Davis	UT	313,929								
Duchesne	UT	19,344	70.0	21,973,774	30.0	9,417,870	17.5	5,493,444	117.5	2,272,823
Emery	UT	1,577	70.0	1,354,003	30.0	580,320	17.5	338,501	117.5	185,290
Garfield	UT	539	35.0	55,192	18.0	28,386	17.5	27,596	70.5	37,998
Grand	UT	9,487	70.0	37,728	30.0	16,170	17.5	9,432	117.5	1,114,675
Iron	UT	4,697								
Juab	UT	1,618	70.0	328,771	24.0	112,728	0.0	0	94.0	152,086
Kane	UT	7,229	35.0	56,627	18.0	29,124	17.5	28,313	70.5	509,623
Millard	UT	1,267	70.0	506,001	30.0	216,870	17.5	126,500	117.5	148,866
Morgan	UT	9,981								
Piute	UT	149	70.0	698,630	30.0	299,430	17.5	174,658	117.5	17,507
Rich	UT	2,366	70.0	10,429	30.0	4,470	17.5	2,607	117.5	277,993
Salt Lake	UT	16,663								
San Juan	UT	1,481	70.0	1,166,343	30.0	499,890	17.5	291,586	117.5	174,010
Sanpete	UT	28,249	70.0	103,664	24.0	35,544	0.0	0	94.0	2,655,293
Sevier	UT	2,843	70.0	1,977,317	30.0	847,470	17.5	494,329	117.5	334,038
Summit	UT	38,252								
Tooele	UT	59,577								
Uintah	UT	3,397	70.0	4,170,152	30.0	1,787,310	17.5	1,042,538	117.5	399,131
Utah	UT	54,172								
Wasatch	UT	2,596								
Washington	UT	143,383								
Wayne	UT	2,911	70.0	10,036,236	30.0	4,301,490	17.5	2,509,059	117.5	342,028
Weber	UT	234,591								
Accomack	VA	33,634								
Albemarle	VA	1,152								
Alexandria city	VA	148,337								
Alleghany	VA	16,125								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHx/Pops)	New MBS License (MHz)	New MBS License (MHx/Pops)	New UBS License (MHz)	New UBS License (MHx/Pops)	Total MHz In County	Total MHz/Pops In County
Amelia	VA	12,928	17.5	282,171	6.0	96,750	0.0	0	23.5	303,795
Amherst	VA	32,197								
Appomattox	VA	14,993								
Arlington	VA	223,535								
Augusta	VA	74,477								
Bath	VA	4,735	11.7	868,849	0.0	0	0.0	0	11.7	55,239
Bedford	VA	7,354								
Bedford city	VA	6,127								
Bland	VA	6,775	70.0	428,865	30.0	183,810	17.5	107,216	117.5	796,029
Botetourt	VA	33,167								
Bristol city	VA	17,686	35.0	1,160,779	18.0	597,006	17.5	580,389	70.5	1,246,810
Brunswick	VA	17,528								
Buchanan	VA	23,837	70.0	1,226,890	30.0	525,840	17.5	306,722	117.5	2,800,728
Buckingham	VA	1,754								
Buena Vista city	VA	6,671								
Campbell	VA	55,785								
Caroline	VA	28,833								
Carroll	VA	349	58.3	1,681,829	30.0	864,990	17.5	504,549	105.8	36,934
Charles City	VA	7,384								
Charlotte	VA	12,472								
Charlottesville city	VA	44,163								
Chesapeake city	VA	225,858								
Chesterfield	VA	32,252	11.7	2,634,859	6.0	1,355,148	0.0	0	17.7	569,764
Clarke	VA	1,428	17.5	564,378	6.0	193,512	11.7	376,252	35.2	50,216
Colonial Heights city	VA	17,268	11.7	16,659	6.0	8,568	0.0	0	17.7	305,056
Covington city	VA	5,937	11.7	201,448	0.0	0	0.0	0	11.7	69,261
Craig	VA	5,157								
Culpeper	VA	477								
Cumberland	VA	159								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Danville city	VA	42,815	70.0	11,129	30.0	4,770	17.5	2,782	117.5	5,030,548
Dickenson	VA	15,863	70.0	2,996,879	30.0	1,284,450	17.5	749,220	117.5	1,863,823
Dinwiddie	VA	2,796								
Emporia city	VA	5,875								
Essex	VA	11,351	35.0	205,613	12.0	70,500	0.0	0	47.0	533,474
Fairfax	VA	111,845								
Fairfax city	VA	24,112								
Falls Church city	VA	12,789								
Fauquier	VA	66,661								
Floyd	VA	15,473								
Fluvanna	VA	26,246								
Franklin	VA	56,328								
Franklin city	VA	8,451								
Frederick	VA	833	17.5	147,884	6.0	50,706	11.7	98,589	35.2	29,292
Fredericksburg city	VA	26,914	52.5	43,730	24.0	19,992	17.5	14,577	94.0	2,529,808
Galax city	VA	799	70.0	1,883,872	30.0	807,420	17.5	470,968	117.5	93,879
Giles	VA	17,212								
Gloucester	VA	37,171								
Goochland	VA	22,137								
Grayson	VA	15,377	70.0	1,549,501	30.0	664,110	17.5	387,375	117.5	1,806,721
Greene	VA	18,837								
Greensville	VA	12,279								
Halifax	VA	3,694	35.0	429,740	18.0	221,022	17.5	214,870	70.5	260,416
Hampton city	VA	1,326								
Hanover	VA	11,585	0.0	0	6.0	7,956	0.0	0	6.0	69,510
Harrisonburg city	VA	5,864								
Henrico	VA	311,952	11.7	68,409	6.0	35,184	0.0	0	17.7	5,510,944
Henry	VA	5,395								
Highland	VA	238								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Hopewell city	VA	2,239	11.7	2,777	6.0	1,428	0.0	0	17.7	39,554
Isle of Wight	VA	35,448								
James City	VA	69,158								
King and Queen	VA	795	52.5	3,630,588	18.0	1,244,844	0.0	0	70.5	56,045
King George	VA	24,336	35.0	27,823	12.0	9,540	0.0	0	47.0	1,143,743
King William	VA	16,265								
Lancaster	VA	11,488	17.5	284,621	6.0	97,590	0.0	0	23.5	269,957
Lee	VA	2,584	70.0	804,114	30.0	344,640	17.5	201,029	117.5	303,607
Lexington city	VA	5,548								
Loudoun	VA	333,897								
Louisa	VA	3,371								
Lunenburg	VA	13,345								
Lynchburg city	VA	77,791								
Madison	VA	13,552								
Manassas city	VA	4,787								
Manassas Park city	VA	15,564								
Martinsville city	VA	13,156	70.0	1,089,418	30.0	466,920	17.5	272,354	117.5	1,545,764
Mathews	VA	8,959								
Mecklenburg	VA	3,341								
Middlesex	VA	1,914	17.5	58,464	6.0	20,046	0.0	0	23.5	44,977
Montgomery	VA	9,594								
Nelson	VA	15,186								
New Kent	VA	19,155								
Newport News city	VA	17,862								
Norfolk city	VA	265,451								
Northampton	VA	12,399								
Northumberland	VA	12,511	17.5	216,970	6.0	74,394	0.0	0	23.5	293,996
Norton city	VA	3,989	70.0	875,720	30.0	375,330	17.5	218,930	117.5	468,688
Nottoway	VA	15,837								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Orange	VA	33,969								
Page	VA	247								
Patrick	VA	1,848	5.8	1,441	18.0	4,446	17.5	4,322	41.3	76,382
Petersburg city	VA	32,747	11.7	21,559	6.0	11,088	0.0	0	17.7	578,509
Pittsylvania	VA	6,385								
Poquoson city	VA	1,218								
Portsmouth city	VA	9,624								
Powhatan	VA	28,247								
Prince Edward	VA	23,719								
Prince George	VA	37,242								
Prince William	VA	432,762								
Pulaski	VA	34,672								
Radford city	VA	1,631	58.3	2,022,418	30.0	1,040,160	17.5	606,725	105.8	172,607
Rappahannock	VA	7,481								
Richmond	VA	9,287	17.5	130,910	6.0	44,886	0.0	0	23.5	218,235
Richmond city	VA	29,333	11.7	108,342	6.0	55,722	0.0	0	17.7	518,197
Roanoke	VA	9,245								
Roanoke city	VA	9,665								
Rockbridge	VA	2,241								
Rockingham	VA	77,446								
Russell	VA	28,837	35.0	2,710,455	18.0	1,394,028	17.5	1,355,228	70.5	2,032,922
Salem city	VA	24,992								
Scott	VA	23,195	35.0	874,670	18.0	449,856	17.5	437,335	70.5	1,635,178
Shenandoah	VA	42,592								
Smyth	VA	31,987	70.0	2,981,270	30.0	1,277,760	17.5	745,317	117.5	3,758,313
Southampton	VA	18,589								
Spotsylvania	VA	124,675								
Stafford	VA	13,688								
Staunton city	VA	23,393								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Suffolk city	VA	85,239								
Surry	VA	747								
Sussex	VA	1,215								
Tazewell	VA	4,539	70.0	85,045	30.0	36,450	17.5	21,261	117.5	533,310
Virginia Beach city	VA	445,676								
Warren	VA	37,791	17.5	7,798,884	6.0	2,674,056	11.7	5,199,256	35.2	1,328,921
Washington	VA	5,523	35.0	1,322,609	18.0	680,238	17.5	661,305	70.5	389,355
Waynesboro city	VA	21,175								
Westmoreland	VA	17,576	17.5	370,541	6.0	127,050	0.0	0	23.5	413,018
Williamsburg city	VA	14,465								
Winchester city	VA	26,987	17.5	253,123	6.0	86,790	11.7	168,749	35.2	948,998
Wise	VA	41,291	70.0	1,888,982	30.0	809,610	17.5	472,246	117.5	4,851,486
Wythe	VA	29,298	70.0	2,890,205	30.0	1,238,730	17.5	722,551	117.5	3,442,369
York	VA	66,238								
St. Croix	VI	53,234	35.0	2,318,198	18.0	1,192,284	17.5	1,159,099	70.5	3,752,837
St. John	VI	4,197	35.0	1,863,084	12.0	638,808	0.0	0	47.0	197,251
St. Thomas	VI	51,181								
Addison	VT	37,193								
Bennington	VT	37,186								
Caledonia	VT	3,158								
Chittenden	VT	159,733								
Essex	VT	6,364	17.5	2,795,168	12.0	1,916,796	17.5	2,795,168	47.0	299,095
Franklin	VT	4,881								
Grand Isle	VT	727								
Lamoille	VT	25,128								
Orange	VT	29,179								
Orleans	VT	27,373								
Rutland	VT	61,669								
Washington	VT	5,974								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Windham	VT	44,649								
Windsor	VT	5,697								
Adams	WA	1,933	70.0	398,767	30.0	170,910	17.5	99,692	117.5	227,118
Asotin	WA	2,182	35.0	67,651	12.0	23,196	0.0	0	47.0	102,550
Benton	WA	184,799								
Chelan	WA	73,478								
Clallam	WA	71,573								
Clark	WA	4,358								
Columbia	WA	44	35.0	152,521	12.0	52,296	0.0	0	47.0	2,068
Cowlitz	WA	12,718								
Douglas	WA	38,862								
Ferry	WA	7,791	70.0	2,720,185	30.0	1,165,860	17.5	680,046	117.5	915,404
Franklin	WA	8,958								
Garfield	WA	2,275	35.0	313,512	12.0	107,496	0.0	0	47.0	106,920
Grant	WA	9,242								
Grays Harbor	WA	72,638	52.5	485,177	24.0	221,808	17.5	161,726	94.0	6,827,681
Island	WA	78,486								
Jefferson	WA	29,673								
King	WA	1,985,447								
Kitsap	WA	256,554								
Kittitas	WA	4,199								
Klickitat	WA	2,859								
Lewis	WA	7,541	52.5	150,089	24.0	68,616	17.5	50,030	94.0	708,824
Lincoln	WA	1,473								
Mason	WA	6,723								
Okanogan	WA	41,677								
Pacific	WA	2,875	52.5	2,187,917	24.0	1,000,248	17.5	729,306	94.0	270,239
Pend Oreille	WA	12,633								
Pierce	WA	873								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
San Juan	WA	1,621								
Skagit	WA	117,388								
Skamania	WA	1,119								
Snohomish	WA	735,133								
Spokane	WA	478,226								
Stevens	WA	43,727								
Thurston	WA	257,944	52.5	2,295,536	24.0	1,049,448	17.5	765,179	94.0	24,245,704
Wahkiakum	WA	49	70.0	18,055,048	30.0	7,738,320	17.5	4,513,762	117.5	5,757
Walla Walla	WA	592								
Whatcom	WA	23,782								
Whitman	WA	45,271								
Yakima	WA	247,951								
Adams	WI	2,115	52.5	13,016,684	24.0	5,950,824	17.5	4,338,895	94.0	198,802
Ashland	WI	16,174								
Barron	WI	45,888	11.7	188,686	0.0	0	0.0	0	11.7	535,329
Bayfield	WI	15,265								
Brown	WI	251,341								
Buffalo	WI	13,379	11.7	2,932,144	0.0	0	0.0	0	11.7	156,079
Burnett	WI	15,575	52.5	702,357	24.0	321,096	17.5	234,119	94.0	1,463,988
Calumet	WI	49,425								
Chippewa	WI	63,725	11.7	576,592	0.0	0	0.0	0	11.7	743,416
Clark	WI	34,675								
Columbia	WI	57,263	29.2	1,011,296	6.0	208,050	0.0	0	35.2	2,013,653
Crawford	WI	16,744	11.7	668,030	6.0	343,578	17.5	1,002,045	35.2	588,803
Dane	WI	496,712	11.7	195,336	0.0	0	0.0	0	11.7	5,794,642
Dodge	WI	89,156								
Door	WI	2,884	23.3	2,080,188	12.0	1,069,872	0.0	0	35.3	101,897
Douglas	WI	44,348	64.2	185,046	24.0	69,216	0.0	0	88.2	3,909,853
Dunn	WI	43,941	11.7	517,364	0.0	0	0.0	0	11.7	512,616

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Eau Claire	WI	99,835	11.7	512,616	0.0	0	0.0	0	11.7	1,164,675
Florence	WI	451								
Fond du Lac	WI	12,569								
Forest	WI	933								
Grant	WI	51,981	46.7	43,538	18.0	16,794	17.5	16,327	82.2	4,270,915
Green	WI	3,712								
Green Lake	WI	18,877	0.0	0	0.0	0	17.5	64,956	17.5	330,329
Iowa	WI	23,566	11.7	220,219	0.0	0	0.0	0	11.7	274,921
Iron	WI	59								
Jackson	WI	27	11.7	688	0.0	0	0.0	0	11.7	315
Jefferson	WI	84,152								
Juneau	WI	26,945	46.7	3,926,869	18.0	1,514,736	17.5	1,472,576	82.2	2,213,882
Kenosha	WI	166,676								
Kewaunee	WI	2,439	5.8	972,221	6.0	1,000,056	0.0	0	11.8	28,861
La Crosse	WI	115,736	17.5	42,680	6.0	14,634	17.5	42,680	41.0	4,744,945
Lafayette	WI	169								
Langlade	WI	19,798	17.5	2,957	6.0	1,014	0.0	0	23.5	465,233
Lincoln	WI	28,415	0.0	0	6.0	118,788	0.0	0	6.0	170,490
Manitowoc	WI	8,889								
Marathon	WI	13,463								
Marinette	WI	41,658								
Marquette	WI	15,328								
Menominee	WI	4,184	40.8	625,858	24.0	367,872	17.5	268,225	82.3	344,469
Milwaukee	WI	949,293								
Monroe	WI	4,536	17.5	16,611,678	6.0	5,695,758	17.5	16,611,678	41.0	185,967
Oconto	WI	37,894	23.3	105,834	12.0	54,432	0.0	0	35.3	1,338,871
Oneida	WI	358								
Outagamie	WI	178,852								
Ozaukee	WI	8,725								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Pepin	WI	7,326	11.7	101,786	0.0	0	0.0	0	11.7	85,465
Pierce	WI	41,165								
Polk	WI	4,446								
Portage	WI	7,747	0.0	0	6.0	26,676	17.5	77,801	23.5	182,047
Price	WI	13,855								
Racine	WI	19,465								
Richland	WI	183	11.7	227,079	0.0	0	0.0	0	11.7	2,135
Rock	WI	159,698	11.7	2,135	0.0	0	0.0	0	11.7	1,863,037
Rusk	WI	14,429	29.2	4,657,592	6.0	958,188	0.0	0	35.2	507,396
Sauk	WI	62,898	29.2	420,822	6.0	86,574	0.0	0	35.2	2,211,808
Sawyer	WI	16,793								
Shawano	WI	41,747	23.3	391,814	12.0	201,516	0.0	0	35.3	1,475,005
Sheboygan	WI	115,157								
St. Croix	WI	85,533								
Taylor	WI	2,748								
Trempealeau	WI	2,929	11.7	32,058	0.0	0	0.0	0	11.7	34,170
Vernon	WI	38	17.5	51,255	6.0	17,574	17.5	51,255	41.0	1,558
Vilas	WI	2,164								
Walworth	WI	12,225								
Washburn	WI	15,948	52.5	641,776	24.0	293,400	17.5	213,925	94.0	1,499,048
Washington	WI	133,638								
Waukesha	WI	394,132								
Waupaca	WI	52,468	17.5	6,896,916	6.0	2,364,792	0.0	0	23.5	1,232,946
Waushara	WI	24,995	0.0	0	0.0	0	17.5	918,138	17.5	437,388
Winnebago	WI	168,571								
Wood	WI	74,648	0.0	0	6.0	1,011,426	17.5	2,949,824	23.5	1,754,153
Barbour	WV	16,263	35.0	2,612,531	18.0	1,343,664	17.5	1,306,265	70.5	1,146,493
Berkeley	WV	16,442	0.0	0	0.0	0	11.7	189,724	11.7	191,812
Boone	WV	24,342	70.0	1,150,874	30.0	493,260	17.5	287,719	117.5	2,860,063

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Braxton	WV	14,417	35.0	851,921	18.0	438,156	17.5	425,961	70.5	1,016,355
Brooke	WV	23,841								
Cabell	WV	96,699	70.0	1,668,775	30.0	715,230	17.5	417,194	117.5	11,361,649
Calhoun	WV	7,648	52.5	5,076,407	24.0	2,320,776	17.5	1,692,136	94.0	718,881
Clay	WV	9,435	70.0	535,329	30.0	229,440	17.5	133,832	117.5	1,108,565
Doddridge	WV	8,651	35.0	330,206	18.0	169,830	17.5	165,103	70.5	609,870
Fayette	WV	45,541	70.0	605,535	30.0	259,530	17.5	151,384	117.5	5,350,840
Gilmer	WV	8,914	35.0	1,593,844	18.0	819,738	17.5	796,922	70.5	628,410
Grant	WV	11,882	35.0	311,972	18.0	160,452	17.5	155,986	70.5	837,645
Greenbrier	WV	3,591	11.7	138,615	0.0	0	0.0	0	11.7	41,893
Hampshire	WV	2,385	17.5	62,839	6.0	21,546	11.7	41,893	35.2	83,869
Hancock	WV	3,568								
Hardy	WV	1,489								
Harrison	WV	69,954	35.0	52,112	18.0	26,802	17.5	26,056	70.5	4,931,547
Jackson	WV	29,342	52.5	3,672,375	24.0	1,678,896	17.5	1,224,125	94.0	2,758,031
Jefferson	WV	54,551	17.5	513,456	6.0	176,052	11.7	342,304	35.2	1,918,286
Kanawha	WV	191,792	70.0	3,818,352	30.0	1,636,530	17.5	954,588	117.5	22,534,601
Lewis	WV	16,335	35.0	6,712,336	18.0	3,452,256	17.5	3,356,168	70.5	1,151,568
Lincoln	WV	21,582	70.0	1,143,385	30.0	490,050	17.5	285,846	117.5	2,535,777
Logan	WV	3,648	70.0	1,510,654	30.0	647,460	17.5	377,663	117.5	428,622
Marion	WV	56,598	35.0	127,673	18.0	65,664	17.5	63,836	70.5	3,989,989
Marshall	WV	3,248	35.0	1,980,817	18.0	1,018,764	17.5	990,408	70.5	228,974
Mason	WV	27,256	52.5	170,510	24.0	77,952	17.5	56,837	94.0	2,561,955
McDowell	WV	2,176	70.0	1,907,811	30.0	817,680	17.5	476,953	117.5	255,669
Mercer	WV	6,359	70.0	152,311	30.0	65,280	17.5	38,078	117.5	747,151
Mineral	WV	2,841	35.0	222,552	12.0	76,308	11.7	74,184	58.7	166,664
Mingo	WV	26,477	70.0	198,859	30.0	85,230	17.5	49,715	117.5	3,110,915
Monongalia	WV	11,572	35.0	926,642	18.0	476,586	17.5	463,321	70.5	815,791
Monroe	WV	1,372								

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Morgan	WV	17,549	0.0	0	0.0	0	11.7	16,006	11.7	204,727
Nicholas	WV	26,359	70.0	1,228,360	30.0	526,470	17.5	307,090	117.5	3,097,051
Ohio	WV	44,319	35.0	922,512	18.0	474,462	17.5	461,256	70.5	3,124,357
Pendleton	WV	7,696								
Pleasants	WV	7,848	52.5	404,017	24.0	184,704	17.5	134,672	94.0	737,681
Pocahontas	WV	8,799	70.0	549,329	30.0	235,440	17.5	137,332	117.5	1,033,839
Preston	WV	3,428	35.0	307,947	18.0	158,382	17.5	153,974	70.5	241,664
Putnam	WV	56,877	70.0	239,946	30.0	102,840	17.5	59,987	117.5	6,682,763
Raleigh	WV	79,388	70.0	3,981,162	30.0	1,706,310	17.5	995,291	117.5	9,327,693
Randolph	WV	29,929	35.0	2,778,421	18.0	1,428,984	17.5	1,389,211	70.5	2,109,905
Ritchie	WV	1,144	52.5	1,571,183	24.0	718,296	17.5	523,728	94.0	107,531
Roane	WV	14,622	52.5	60,057	24.0	27,456	17.5	20,019	94.0	1,374,410
Summers	WV	13,682	70.0	1,023,482	30.0	438,660	17.5	255,870	117.5	1,607,567
Taylor	WV	16,763	35.0	478,843	18.0	246,276	17.5	239,421	70.5	1,181,741
Tucker	WV	6,939	35.0	586,671	18.0	301,734	17.5	293,336	70.5	489,179
Tyler	WV	944	35.0	242,851	18.0	124,902	17.5	121,426	70.5	66,549
Upshur	WV	24,436	35.0	33,038	18.0	16,992	17.5	16,519	70.5	1,722,665
Wayne	WV	42,122	70.0	1,710,422	30.0	733,080	17.5	427,606	117.5	4,949,124
Webster	WV	9,169	70.0	2,948,372	30.0	1,263,660	17.5	737,093	117.5	1,077,312
Wetzel	WV	1,622	35.0	320,897	18.0	165,042	17.5	160,448	70.5	114,346
Wirt	WV	5,819	52.5	85,150	24.0	38,928	17.5	28,383	94.0	546,963
Wood	WV	86,919	52.5	305,480	24.0	139,656	17.5	101,827	94.0	8,170,038
Wyoming	WV	23,184	70.0	6,083,982	30.0	2,607,570	17.5	1,520,996	117.5	2,724,004
Albany	WY	37,487								
Big Horn	WY	11,988	35.0	1,311,970	12.0	449,844	0.0	0	47.0	563,412
Campbell	WY	47,937	52.5	629,334	24.0	287,712	17.5	209,778	94.0	4,505,886
Carbon	WY	1,582								
Converse	WY	1,411								
Crook	WY	7,187	52.5	74,073	24.0	33,864	17.5	24,691	94.0	675,549

CountyName	ST	Total POPS	New LBS License (MHz)	New LBS License (MHz/Pops)	New MBS License (MHz)	New MBS License (MHz/Pops)	New UBS License (MHz)	New UBS License (MHz/Pops)	Total MHz In County	Total MHz/Pops In County
Fremont	WY	41,131	70.0	503,061	30.0	215,610	17.5	125,765	117.5	4,832,687
Goshen	WY	13,636	35.0	1,439,503	18.0	740,358	17.5	719,751	70.5	961,297
Hot Springs	WY	4,922	70.0	954,465	30.0	409,080	17.5	238,616	117.5	578,310
Johnson	WY	8,625	35.0	172,260	12.0	59,064	0.0	0	47.0	405,358
Laramie	WY	93,718								
Lincoln	WY	18,844	70.0	6,559,885	30.0	2,811,540	17.5	1,639,971	117.5	2,214,076
Natrona	WY	78,974								
Niobrara	WY	2,455	70.0	5,527,864	30.0	2,369,220	17.5	1,381,966	117.5	288,450
Park	WY	29,134	70.0	171,840	30.0	73,650	17.5	42,960	117.5	3,423,099
Platte	WY	8,919	52.5	1,529,448	24.0	699,216	17.5	509,816	94.0	838,350
Sheridan	WY	29,676	35.0	312,147	12.0	107,028	0.0	0	47.0	1,394,713
Sublette	WY	1,539	70.0	2,077,201	30.0	890,280	17.5	519,300	117.5	180,825
Sweetwater	WY	4,511	70.0	107,724	30.0	46,170	17.5	26,931	117.5	530,020
Teton	WY	21,947	70.0	315,752	30.0	135,330	17.5	78,938	117.5	2,578,663
Uinta	WY	283	70.0	1,536,202	30.0	658,410	17.5	384,051	117.5	33,251
Washakie	WY	8,551	35.0	9,904	12.0	3,396	0.0	0	47.0	401,880
Weston	WY	7,281	52.5	448,902	24.0	205,224	17.5	149,634	94.0	684,385
TOTAL FILING OPPORTUNITIES			1113		1181		855		3149.0	
TOTAL AVAILABLE MHZ/POPS				1,870,220,598		867,759,120		665,821,493		3,403,801,211